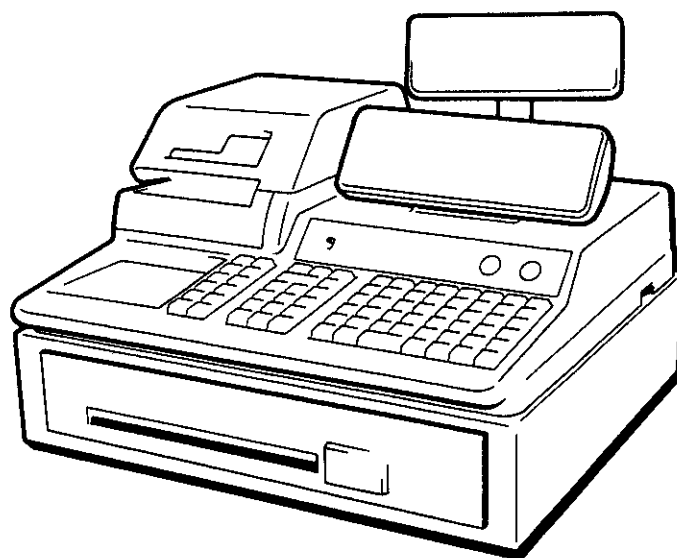


TEC

TEC Electronic Cash Register

MA-1700A-100

Owner's Manual



TOKYO ELECTRIC CO., LTD.

NOTICE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

OPERATOR'S GUIDE

FIELD PHOTOGRAPH

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1998-1999

1. The first part of the report deals with the general situation of the country and the results of the survey. It is a very interesting and informative part of the report, which gives a clear picture of the current situation in the country. The survey results are presented in a clear and concise manner, making it easy to understand the findings. The report also includes a detailed analysis of the data, which helps to identify the main trends and issues. This part of the report is a valuable resource for anyone interested in the current situation in the country.

2. The second part of the report deals with the specific issues identified in the survey. It provides a detailed analysis of each issue, including the causes and consequences. This part of the report is also very informative and helps to identify the main challenges facing the country. The report also includes a detailed analysis of the data, which helps to identify the main trends and issues. This part of the report is a valuable resource for anyone interested in the current situation in the country.

3. The third part of the report deals with the recommendations for addressing the issues identified in the survey. It provides a clear and concise summary of the recommendations, which are based on the findings of the survey. This part of the report is also very informative and helps to identify the main challenges facing the country. The report also includes a detailed analysis of the data, which helps to identify the main trends and issues. This part of the report is a valuable resource for anyone interested in the current situation in the country.

4. The fourth part of the report deals with the conclusions of the survey. It provides a clear and concise summary of the findings, which are based on the data collected during the survey. This part of the report is also very informative and helps to identify the main challenges facing the country. The report also includes a detailed analysis of the data, which helps to identify the main trends and issues. This part of the report is a valuable resource for anyone interested in the current situation in the country.

5. The fifth part of the report deals with the recommendations for addressing the issues identified in the survey. It provides a clear and concise summary of the recommendations, which are based on the findings of the survey. This part of the report is also very informative and helps to identify the main challenges facing the country. The report also includes a detailed analysis of the data, which helps to identify the main trends and issues. This part of the report is a valuable resource for anyone interested in the current situation in the country.

1. TO OUR CUSTOMERS

Thank you for choosing the TEC electronic cash register MA-1700A-100 series. This instruction manual provides a description of the functions and handling of this register and should be read carefully to ensure optimum performance. Since every consideration has been given to safety and reliability, there is no danger of damaging the machine by incorrect operation.

Please refer to this manual whenever you have any questions concerning the machine. This machine has been manufactured under strict quality control and should give you full satisfaction. However, if the machine is damaged during transit, or there are any unclear points in this manual, please contact your local TEC representative.

- The specifications described in this manual may be modified by TEC, if necessary.
- Be sure to keep this manual for future reference.

2. PRECAUTIONS

The ECR is a precision machine. Please handle it carefully considering the following guidelines.

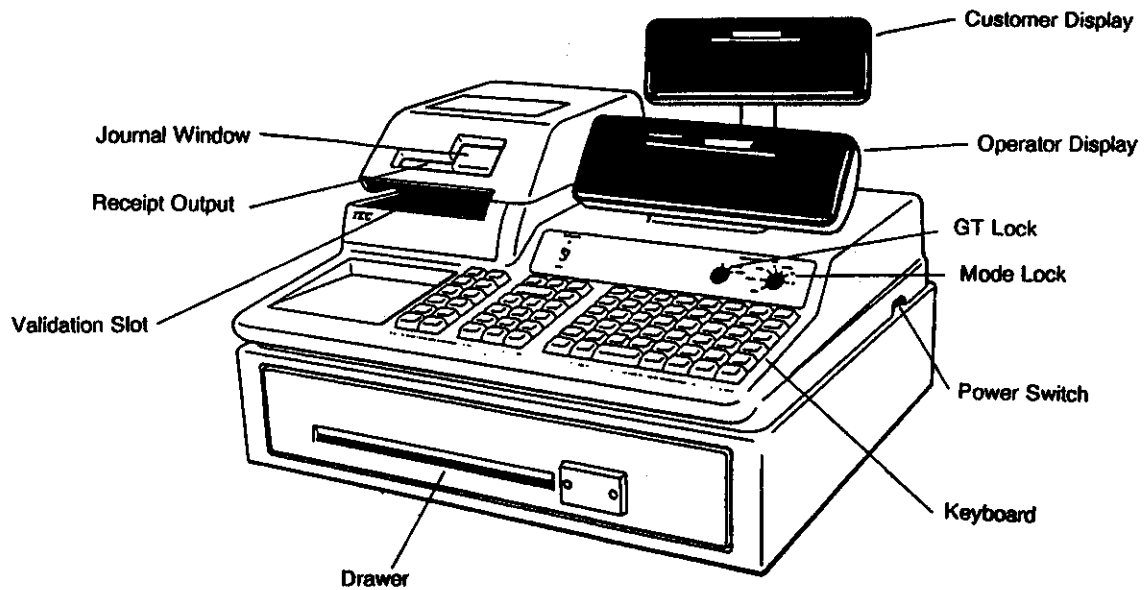
REMARKS ON THE LOCATION

- Place it where no unusual temperature changes are expected.
- Place it on a flat and level surface with little dust, humidity, vibration, etc.
- Keep it away from water sources.
- Do not use it in direct sunlight for a long time.
- Ensure proper ventilation so that the machine is not exposed to excessive heat.
- Be certain to connect a grounding wire to prevent the generation of static electricity and noise troubles. Never share the same power outlet with many other electric appliances.

REMARKS ON OPERATING THE ECR

- The keys on the keyboard function with a light touch. Avoid pressing the keys too hard.
- Do not handle the machine with wet hands, since this may cause electrical malfunctions and corrosion of parts.
- Do not apply thinner, benzine, or other volatile materials to the cabinet or other plastic parts. Such liquids will cause discoloration or deterioration of the cover. If dirty, wipe off with a piece of cloth soaked in a neutral detergent and wrung out thoroughly.
- Turn off the power switch when the operations are over for the day.
- Ask your TEC representative to provide periodical maintenance to ensure the optimum performance of the machine.
- As for other operations, follow the instructions in this manual.

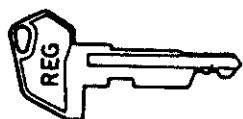
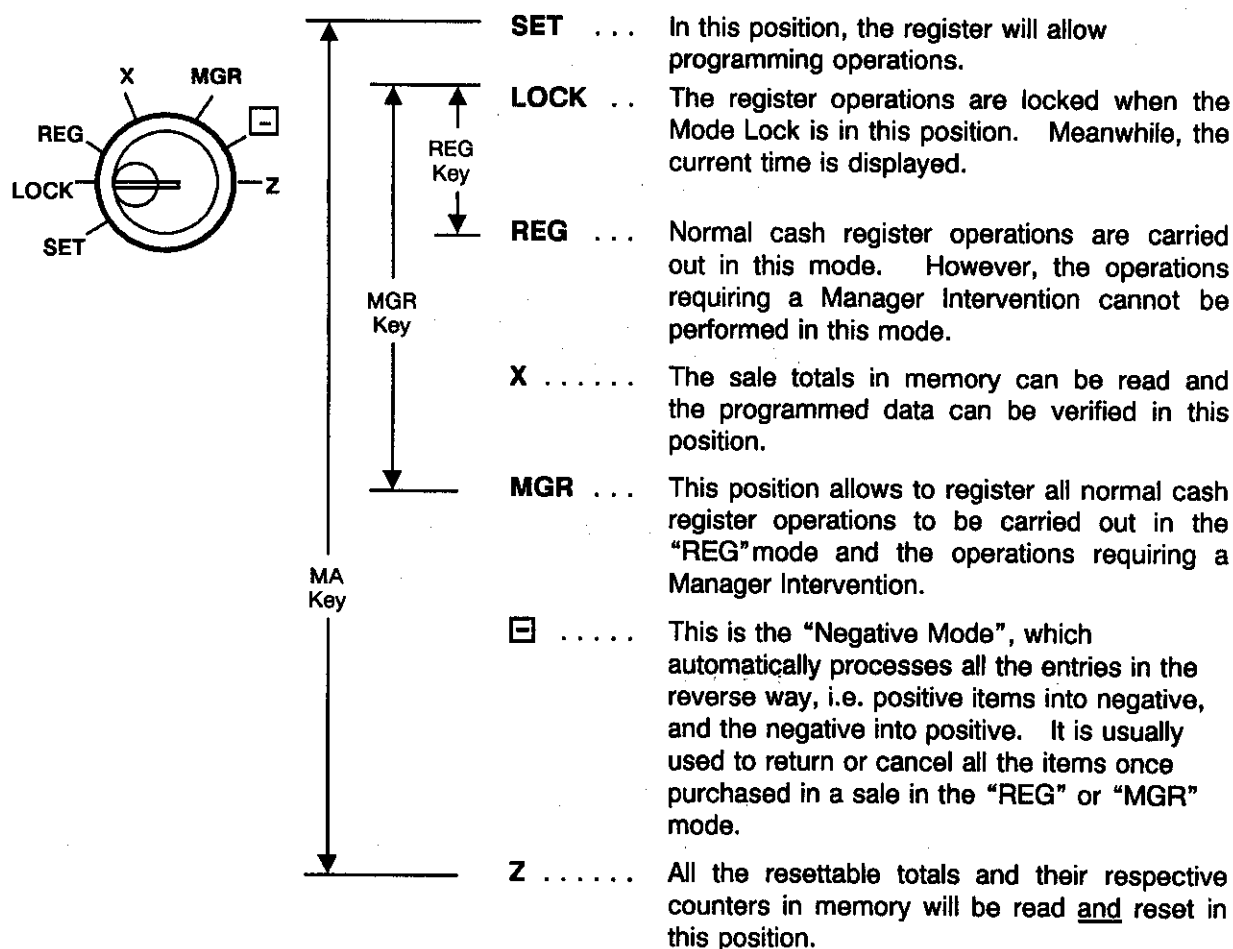
3. APPEARANCE AND NOMENCLATURE



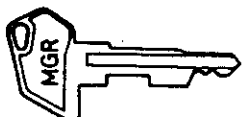
- **Power Switch** The power switch is provided at the right-hand side of the cabinet. The AC power is turned on when the switch is pushed to ON, and turned off when the switch is pushed to OFF.

4. CONTROL LOCKS AND MODE SELECTOR KEYS

4.1 MODE LOCK



REG Key: The REG Key is used by the cashier or clerk who operates the register. This key can access the positions of **LOCK** and **REG**.



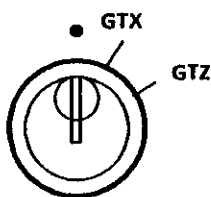
MGR Key: The MGR Key is used by the store manager or a person authorized by the manager. This key can access the positions of **LOCK**, **REG**, **X**, and **MGR**.



MA Key: The MA Key is used by the store manager who will daily supervise the collection of money and the printout of transactions recorded by the register. It is also used by the programmer. This key can access the positions of **SET**, **LOCK**, **REG**, **X**, **MGR**, **☐**, and **Z**.

The keys may be inserted or pulled out at the "**LOCK**" or "**REG**" position.

4.2 GT LOCK



This lock is provided to read or reset the accumulated sales totals not on the daily but on weekly or monthly basis. This lock will not be used for any other purpose than report takings.

GTX Position may be accessed by the **GTX Key** or **GTZ Key**.

GTZ Position may be accessed by the **GTZ Key** only.

(Further instructions as to the GT Lock are in the **MANAGER'S GUIDE**).

NOTE : Please set the GT lock to the neutral position (marked with ".") with the GTX or GTZ key removed when reports are not being taken.

4.3 RECEIPT ON/OFF SWITCH

RECEIPT

ON



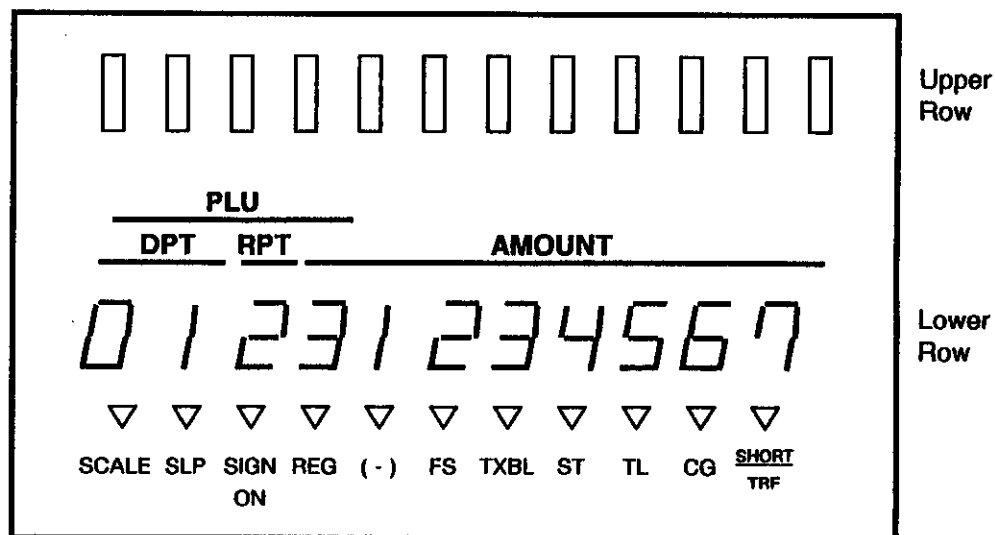
OFF

This switch has two positions available -- 'OFF' position and 'ON' position. When in the 'OFF' position, no receipt is issued from the register and sales are printed on the journal roll only. When the switch is set to the 'ON' position, sales are printed on both receipt roll and journal roll, then a receipt is issued which is automatically cut off and given to the customer.

5. DISPLAY

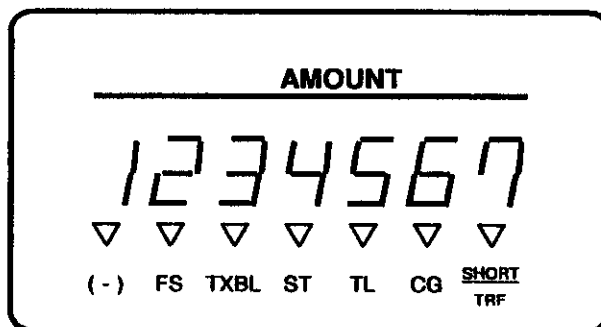
A tilt type is adopted for the operator display, which is adjustable in the up and down direction. The entered amounts and the obtained total are easy to see.

OPERATOR DISPLAY (Front Display)



The customer display can be fixed as a rear display or moved to form a remote display. It can be moved up, down, to the right, and to the left, and thus is fully adjustable according to the position of the customer.

CUSTOMER DISPLAY (Rear or Remote Display)



5.1 UPPER ROW (12-digit dot windows)

Alpha/numeric characters are displayed here as messages, sale item descriptors, prompts for the operator, etc. depending on the Mode Lock position and the operation sequence.

(1) Mode Indications

"LOCK" Mode

If the display store message is preprogrammed, the message is displayed. Whether the message scrolls with maximum 60 characters or non-scrolls with maximum 12 characters is a program option. At the same time the current time is displayed in the lowest 5 digits of the Lower Row (example: 14:52 for the time 14:52).

"REG", "MGR", or "E" Mode Initial Display

The message "LOG" is displayed in the lowest 3 digits of the Upper Row. It means that the cashier has signed OFF and thus the ECR is not operable for sales entries. A Sign-On is expected to operate through the [LOG] key in this case.

If your register has individual Cashier Keys (Push-stay Key Type) instead of the [LOG] key, no such indications will be displayed.

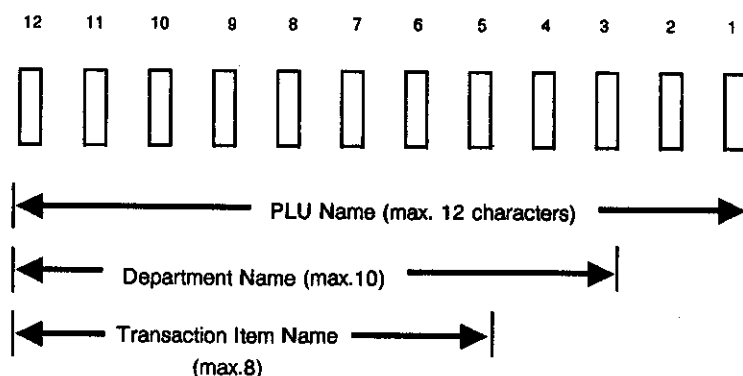
In the "E" mode, the "(-)" trimark flickers along with the above indication.

Other Mode Initial Display

The mode symbol of 1 to 3 characters are displayed in the lowest 3 digits:

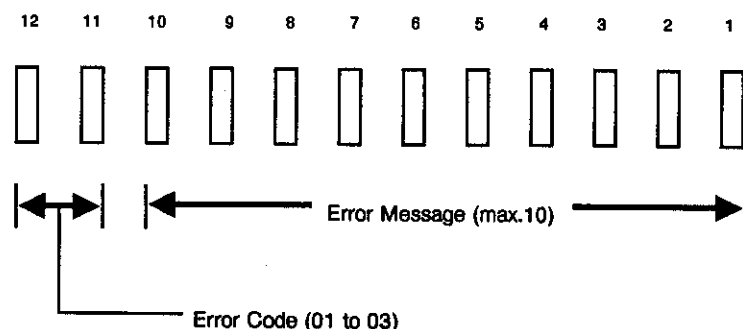
	4	3	2	1	← Digit No.
"SET" Mode:				P	
"X" Mode:				X	
"Z" Mode:				Z	
"GTX" Mode:		G	T	X	
"GTZ" Mode:		G	T	Z	

(2) Digit Range for Various Sales Items ("REG", "MGR", "☐")



(3) Error Messages (in any mode except "LOCK")

When an error occurs, a 2-digit error code and its message (programmable) is displayed, with an error buzzer (a long tone).



To cancel the error status and tone, depress the [C] key. After that, reoperate the procedure correctly.

NOTE : The following table shows the standard programmed error messages. When the change of them are needed, please inquire of your TEC representative.


Error Code	Cause of the Error	Standard Program (upper)									
		Plan for Change (lower)									
01	Key Sequence or Operation Procedure Error	E	R	R	O	R					
02	-- vacant --										
03	On the power restoration from a power failure, the last item entry before the power failure is not completed (only a declaration key or numeric value was entered but not with a motorized key). Depress the [C] key and then start from the declaration or numeric entry again.	P	O	W	E	R		F	A	I	L

5.2 LOWER ROW

(1) NUMERIC DISPLAY

- AMOUNT (7 digits) :** Displays the numeric data, such as amount, quantity, etc.
- DPT (2 digits) :** Displays the code which represents each Department key. It stays lit when repeating the same department entry.
- RPT (1 digit) :** Displays the repeat count of the same item. The count is indicated from the second entry on, and only the last digit will be displayed even if the count exceeds nine.
- PLU (4 digits; the DPT, RPT and AMOUNT digits are commonly used for this purpose.):**
Displays the PLU code when any PLU is entered. It goes out when repeating the same PLU entry.

(2) MESSAGE DESCRIPTORS (TRIANGULAR INDICATORS)

- SCALE:** Lights up when Scale Entry has been executed. It flickers while ABC Analysis Read Report is being issued.
- SLP :** Lights up when a slip has been properly inserted to allow validation. It flickers to require a validation when validation compulsory status has been programmed on the last operation.
- SIGN :** Lights up when a cashier signs ON, and goes out when the cashier signs OFF.
ON
- REG :** Lights up when a sale item has been entered.
- (-) :** Lights up when a negative amount such as [RTN MDSE], [ITEM CORR], [DOLL DISC], or [%-] key has been operated. It also lights up when the [ST], [TXBL TL] or one of the total keys has been depressed and the displayed amount is negative.
It lights up also when an amount is entered in the "  " mode.
- FS :** Light up when a department or PLU item with a food stampable status is entered.
- TXBL :** Lights up when a taxable item has been entered.
- ST :** Lights up when the subtotal amount is displayed after the [ST] key has been depressed.
- TL :** Lights up on a finalizing operation with the total amount displayed when a sale is finalized without any amount tendered.
- CG :** When an amount tendering operation has been performed, this lamp lights up with the change due displayed.
- SHORT :** Lights up when the amount tendered is less than the sale total with the shortage amount displayed.
TRF
Lights up also when all the sale balance are transferred to the new sale balance for charge posting.

6. CASHIER-IDENTIFYING OPERATION

The MA-1700A adopts the following cashier-identifying operations.

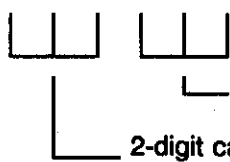
- SIGNING METHOD, using the [LOG] key (standard)
- CASHIER KEY METHOD, using cashier keys (option)

No registering operations cannot be executed without cashier-identifying operation.

6.1 SIGNING METHOD (Cashier Sign-ON/OFF)

OPERATION

- Sign-ON Allowed when a register is in the sign-OFF condition.


 [LOG] . . . A sign-ON receipt is issued, and sales entries are possible.

- Sign-OFF Allowed when a register is in the sign-ON condition.
- 0 [LOG] A sign-OFF receipt is issued, and no sales entries will be accepted until a cashier signs ON.

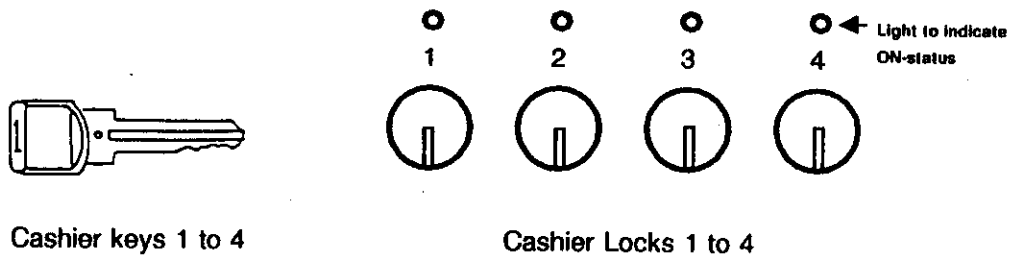
- NOTES :**
1. The entered 2-digit code after reset the daily cashier report will be programmed as the cashier's own secret code.
 2. A cashier's own secret code is cleared when a daily cashier report is reset.

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	Call again
11-20-90	#3001
*SIGN ON *	
JONES	0010 13:28TH

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	Call again
11-20-90	#3001
SIGN OFF	
JONES	0011 13:28TH

6.2 CASHIER KEY METHOD (Push-stay Cashier Keys)

Push-stay Cashier Keys



Each key is assigned to each cashier. The register will not operate in the "REG", "MGR", or "☐" mode unless one of these keys is inserted and pushed on or pushed-and-locked at the corresponding Cashier Lock. The light is lit when the key is in the ON-status.

Each of the keys may be inserted and pulled out in the neutral position marked with "1" to "4" in the above figure, and two ways are provided to set the Cashier Key to ON status:

PUSH-ON

When simply pushed on and released, the Cashier Key is set to ON status. This ON condition will be cleared by any of the following operations:

- 1) when no key-in operations follow in three seconds.
- 2) when the transaction is finalized.
- 3) when another Cashier Key is pushed-on when outside a sale.
- 4) when the Mode Lock is turned to another position.

PUSH-AND LOCK

When pushed and turned to the right, the ON status is locked until it is turned back to release and another Cashier Key is set to ON.

When another Cashier Key is attempted to push-and-lock, the register will entirely be locked.

If a Cashier Key has already been set to ON and a sale is under way, another Cashier Key will be disregarded of attempted to ON.

NOTE : To select the multi-drawer feature, the cashier key method must be adopted instead of the signing method.

7. KEYBOARD LAYOUT

The following are typical keyboard layouts for the MA-1700A-100 series. Since this series is designed to be capable of programming most of the keys to be placed in the desired place on the keyboard, these are merely examples. The keyboard of your register should have its own layout according to the store's requirements.

--- Ordinary Keyboard Layout ---

#	LOG	NS	RF	JF	1	6	11	16	21	26	VALID DATE	STOCK
SALES PERSON	SI/M	C		TX/M	2	7	12	17	22	27	CARD NO.	ALL VOID
LC OPEN	FS/M	7	8	9	3	8	13	18	23	28	VND CPN	DOLL DISC
RTN MOSE	@/FOR	4	5	6	4	9	14	19	24	29	STR CPN	%-
VOID	AMT	1	2	3	5	10	15	20	25	30	SI/TL	EX
ITEM CORR	PLU	0	00	•	ST	TXBL TL	AT/TL		CHK TND	Chg	FSTL TEND	MISC

Other keys not placed in the keyboard above :

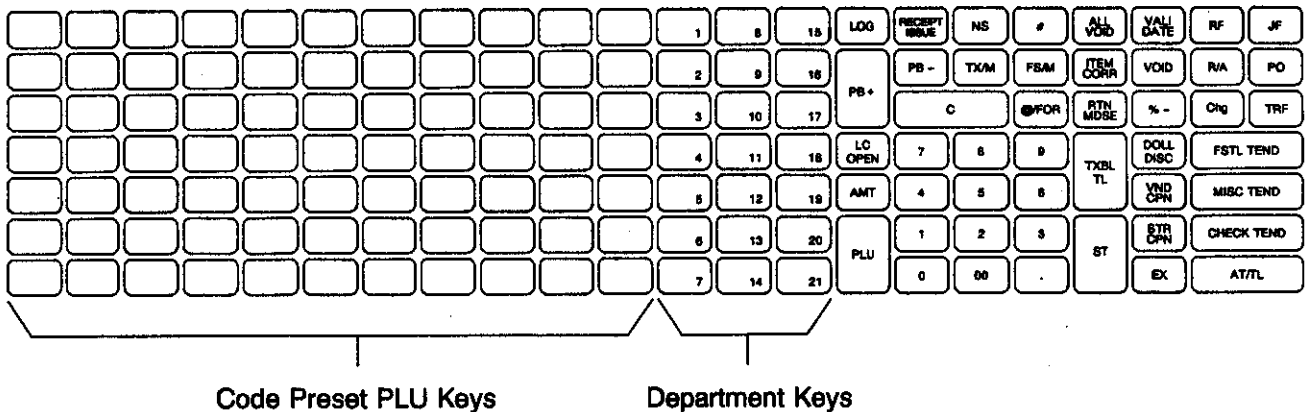
Additional Department Keys (31 to 60)

[000]
[RPT]
[PR OPEN]
[OPEN]
[% +]
[TAX]
[TX 2/M], [TX 3/M]

[CPN]
[R/A]
[PO]
[CUR1] to [CUR4]
[RECEIPT ISSUE]
[PB +], [PB-]
[TRF]
[BTL RTN]

[SI2/M]
[SI2/TL]
[PICK UP BAL]
[CODE OPEN]
[SCALE]
[TARE]
[CHECK NO.]
[SHIFT]
[CREDIT1], [CREDIT2]

--- Flat Keyboard Layout ---



Other keys not placed in the keyboard above :

Additional Department Keys (22 to 60)

[000]
[RPT]
[PR OPEN]
[OPEN]
[% +]
[TAX]
[TX 2/M], [TX 3/M]

[CPN]
[CUR1] to [CUR4]
[BTL RTN]
[SALES PERSON]
[SI1/M], [SI2/M]
[SI1/TL], [SI2/TL]
[PICK UP BAL]

[CODE OPEN]
[SCALE]
[TARE]
[CARD NO.]
[CHECK NO.]
[SHIFT]
[CREDIT1], [CREDIT2]
[STOCK]

※ The Nos. 1 to 21 of Department Keys are not actually printed on the keyboard sheet.

8. FUNCTIONS OF EACH KEY

This section briefly describes functions of each key for your quick reference purposes. See the reference pages in Section 9 : REGISTERING OPERATIONS for detail operation sequences.

TABLE OF KEY FUNCTIONS

KEY	FUNCTIONS	REFERENCE PAGE												
<table border="1"> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>0</td><td>00</td><td>.</td></tr> </table>	7	8	9	4	5	6	1	2	3	0	00	.	Numeric keys . Used to enter numeric values. Depressing the [00] key once is the same as depressing the [0] key twice consecutively. Depressing the [000] key once is the same as depressing the [0] key three times consecutively. [.] key is used to designate the decimal point of a percentage rate or a quantity.	—
7	8	9												
4	5	6												
1	2	3												
0	00	.												
RF	Receipt Feed Key . Used to advance the receipt roll and operated by holding it down until the paper has advanced to the required position.	—												
JF	Journal Feed Key . Used to advance the journal roll in the same fashion as the [RF] key is used to receipt roll.	—												
RECEIPT ISSUE	Receipt Post-Issue key . Used to issue the receipt of a sale when the sale has already finalized with the [RECEIPT ON/OFF] Switch positioned to OFF.	38												
1 to 60	Department keys . Used to enter each item, serving for classifying merchandise by department.	20, 21, 24												
PLU	PLU (Price-Look-Up) key . Used to enter a PLU that is linked to a department.	20, 21, 24												
AMT	Amount key . Used to enter a manual amount of PLU item.	20												
NS	No-sale key . Used to open the cash drawer without relating to a sale.	19												
# #/CID	Non-add Number Print key . Used to print a non-add numbers for future references.	27												

KEY	FUNCTIONS	REFERENCE PAGE
% +	Percent Charge key. Used to add a percent rate to a sale.	25
%-	Percent Discount key. Used to subtract a percent rate from a sale.	25
DOLL DISC	Dollar Discount key. Used to subtract an amount from the sale.	26
@/FOR	At/For key. Used to multiply a department or a PLU item entry by a quantity. Also used to auto-calculate and enter a split package price.	22
C	Clear key. Used to clear numeric entries or a declaration key entry.	—
PR OPEN	Preset Open key. Used to release a preset-price department or PLU items for a manual price entry.	20
LC OPEN	Listing Capacity Open key. Used to release the listing capacity preprogrammed on each department or PLU.	27
OPEN	Preset and Listing Capacity Open key. This is a dual-function key that has both [PR OPEN] and [LC OPEN] functions.	20, 27
VND CPN	Vendor Coupon key. Used to enter the amount of vendor coupons received from the customer.	28
STR CPN	Store Coupon key. Used to subtract a store coupon amount redeemed through a department.	28
RTN MDSE	Returned Merchandise key. Used to refund money to a customer who has returned items already purchased.	25
ITEM CORR	Item Correct key. Used to delete the last item entered within the current transaction.	26

KEY	FUNCTIONS	REFERENCE PAGE
VOID	Void key. Used to delete an item entered previously (before the last item) in the current transaction.	28
ALL VOID	All Void key. Used to delete all items entered in the current transaction.	29
R/A	Received-on-Account key. Used to enter payments received on account, i.e. not relating to a sale.	36
PO	Paid-Out key. Used to record amounts paid out of the cash drawer not relating to a sale.	36
ST	Subtotal key. Used to obtain subtotal of the current transaction.	29
TXBL TL	Taxable Total key. Used to obtain taxable total (subtotal + taxes) of the current transaction.	29
AT/TL	Cash Amount Tendered/Cash Total key. Used to record all cash paid transactions, and will be able to finalize a sale operation.	32, 33
CHECK TEND	Check Tendered key. Used to cash a check or to finalize the transaction as a check payment.	32~34
Chg	Charge Total key. Used to finalize the transaction for charge sale.	32, 33
CPN	Media-Coupon key. Used to finalize the transaction for media coupons.	32
MISC	Miscellaneous Media key. Used to finalize the transaction for other media.	32
FSTL TEND	Food Stamp Total Read/Tender key. Used to display the food-stampable total (maximum amount the customer may pay). Also used to enter the food stamp amount tendered by the customer.	30

KEY	FUNCTIONS	REFERENCE PAGE
VALIDATE	Validation key. Used to print a required item or finalizing a required sale on a validation slip.	37
PB + PB-	Previous Balance keys. Used to enter a previous balance in a charge posting operation.	39, 40
TRF	Transfer key. Used to transfer the entire balance in a charge posting operation with no payment.	39
TX/M TX1/M TX2/M TX3/M	Tax Modifier key(s). Used to reverse the taxable/non-taxable status on departments, PLUs, or other tax-status programmable keys.	27
FS/M	Food Stamp Modifier key. Used to reverse the food stampable/non-stampable status of a department, PLU, or other food stamp status programmable keys.	26
EX	Tax Exempt key. Used to declare the exemption of the taxes from the sale.	31
CUR 1 CUR 4 to	Foreign Currency keys. Used in tendering or exchange with foreign currencies.	34
TAX	Manual Tax key. Used to enter an irregular tax amount that cannot be calculated on the basis of the programmed tax table, and to add it to the sale total.	29
LOG	Log key. Used for signing-ON and signing-OFF to identify which cashier is operating the register.	9
SALES PERSON	Salesperson key. Used for entering an individual code of each salesperson to obtain his or her individual sales data.	48
STOCK	Stock Read Key. Used to read the remaining stock quantity of the designated PLU from the memory.	MG 52, 63, 69

KEY	FUNCTIONS	REFERENCE PAGE
CARD NO.	Card No. key. Used to enter the code number (1 to 12) which classifies the credit card company, followed by the sale finalization with the [Chg] key.	45
RPT	Repeat key. Used to repeat a department or PLU item entry. This key enables to repeat entries not only for normal department or PLU items but also items modified with [PR OPEN].	21
BTL RTN	Bottle Return key. Used to enter a bottle return amount. The amount entered through this key will be negative.	44
PICK UP BAL	Pick Up Balance key. Used when the "Customer File" (Check Track) memory option is selected instead of the "Manual PB Entry" type.	41
CODE OPEN	Customer File Code Open key. The same as Pick Up Balance key.	41
SCALE	Scale key. Used to enter various scaled items.	46
TARE	Tare No. key. Used to enter the preset tare weight data prior to a scaled item entry.	47
CHECK NO.	Check No. and Endorsement Print key. Used to print the endorsement data with or without a check No. print after finalizing a sale with a non-cash media key.	49
CREDIT 1 , CREDIT 2	Credit key. Used as the additional non-cash media key according to the requirements of each store. This key has exactly the same functions and programmabilities as other media keys.	32, 33, 34
SI/TL , SI2/TL	Selective Itemizer Total key. Used to display (and print) the selective itemizer contents.	45

KEY	FUNCTIONS	REFERENCE PAGE
<div data-bbox="225 285 357 379">SI/M</div> <div data-bbox="395 285 528 379">SI2/M</div>	Selective Itemizer Modifier key. Used to reverse the selective itemizer status programmed on each department or PLU.	27
<div data-bbox="311 457 443 551">SHIFT</div>	Department Shift key. Used to shift two different departments from one to the other. For example, [DEPT1] can be used as [DEPT31] when the [SHIFT] key is depressed prior to [DEPT1].	20

9. REGISTERING OPERATIONS

The following pages are registering operation patterns and actual operation samples. In the patterns, " | _____ | " indicates an input through the numeric keys, "[]" indicates a depression of the transaction key. In referring to the sample operations, please note that the programmed data on some keys or items (such as Department keys) may be different from those programmed for your store.

CONDITION SETTING TO START REGISTERING

GT Lock : Be certain to set the key in the neutral position marked "●".

Mode Lock : Insert the "REG" key and set it to the "REG" position.

Cashier-identifying operation: You must sign-ON. or when selected the cashier key method, you must set your cashier key to the ON status.

No-sale

The no-sale transaction is used to open the cash drawer without relating to any sales, such as for giving change, testing the receipt/journal print condition, etc.



(must be operated outside a sale)

[NS] The drawer opens and a No-sale receipt is issued.

-- Receipt Print Sample --

TEC STORE 1343 PEACH DRIVE PHONE: 87-6437	
Thank you Call again	
11-20-90	#3001
*NO SALE *	
JONES	0013 13:29TH

Department Entry

Each department key is preprogrammed as the "PRESET" type (with a price programmed on the key) or "OPEN" type (with no price programmed on the key). Perform operation depending on the type selected.

OPERATION

Open Department Type

- | Price | ([SHIFT]) [Open DEPT]
..... for the shifted depts.

Preset Department Type

- ([SHIFT]) [Preset DEPT]
..... for the shifted depts.
- [PR OPEN] | Price | ([SHIFT]) [Preset DEPT]
(or [OPEN])
.....
for the shifted depts.

-- Receipt Print Sample --



PLU Entry

Each PLU key is preprogrammed as the "PRESET" type (with a price programmed on the key) or "OPEN" type (with no price programmed on the key). Perform operation depending on the type selected.

OPERATION

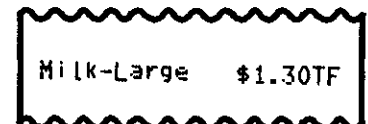
Open PLU Type

- | PLU Code | [PLU] | Price | [AMT]
- | Price | [PLU Preset-code Key]

Preset PLU Type

- | PLU Code | [PLU]
- [PLU Preset-code Key]
- [PR OPEN] | PLU Code | [PLU] | Price | [AMT]
(or [OPEN])
- [PR OPEN] | Price | [PLU Preset-code Key]
(or [OPEN])

-- Receipt Print Sample --



- * [PLU Preset-code Key] may be provided on the ECR keyboard or on the PK-2 (hardware option ; PLU keyboard)

Sub-link Department Entry

OPERATION

Head-link Dept Entry \longrightarrow Sub-link Dept Entry
(compulsory)

- NOTES :**
1. Entry of each declaration key (such as **[RTN MDSE]**, **[PR OPEN]**, etc.) or Quantity Extension for a Head-link department do not affect a Sub-link department.
 2. When **[ITEM CORR]** is depressed after a Head-link department Entry, the compulsion of a Sub-link department Entry will be canceled.
 3. The % operations may be operated on the Sub-link item as well as the Head-link item. However, the amount discount may be operated only after the Sub-link item is entered.

-- Receipt Print Sample --

DRINK	\$3.00T
BTL DEPO	\$0.50

Sub-link PLU Entry

OPERATION

Head-link PLU Entry \longrightarrow Sub-link PLU Entry
(automatically entered)

- NOTE :** The item correction, the repeat entry, and the % operations are not available for the Sub-link PLU Entry. However, the returned merchandise and the void are available for this entry.

-- Receipt Print Sample --

Coke Small-B	\$0.60T
Small-B Depot	\$0.05

Repeat Entry

To repeat the same item as the last entry, simply depress the last key of the department and PLU entry sequence, or depress **[RPT]** key.

- NOTES :**
1. If the first item of those repeated is modified with **[LC OPEN]**, **[TX/M]**, **[SI/M]** or **[FS/M]**, the modified status will be effective through the last item of the repeated.
 2. The operation sequence including **[PR OPEN]**, **[OPEN]**, or **[SHIFT]** can be repeated with only **[RPT]**.

-- Receipt Print Sample --

CAN FOOD	\$2.50TF
CAN FOOD	\$2.50TF

Quantity Extension (Multiplication)

OPERATION

(1) Department

- | Quantity | [@/FOR] ([SHIFT]) [Preset DEPT]
 | for the shifted depts.
 may be omitted if the Quantity is one digit.
- | Quantity | [@/FOR] | Price | ([SHIFT]) [Open DEPT]
 | for the shifted depts.
- | Quantity | [@/FOR] [PR OPEN] | Price | ([SHIFT]) [Preset DEPT]
 (or [OPEN]) for the shifted depts.

(2) *PLU*

- | Quantity | [@/FOR] | PLU Preset-code Key
 - |
 - may be omitted if the Quantity is one digit.
- | Quantity | [@/FOR] | PLU Code | PLU
- | Quantity | [@/FOR] | Price | PLU Preset-code Key
- | PLU Code | PLU | Quantity | [@/FOR] | Price | AMT
- | Quantity | [@/FOR] | PR OPEN | Price | PLU Preset-code Key
 - (or OPEN)
- | PR OPEN | PLU Code | PLU | Quantity | [@/FOR] | Price | AMT
 - (or OPEN)

NOTE : Quantity Max. 3 integral + 3 decimal digits
 Price (Unit Price) Max. 6 digits
 Product Must not exceed 8 digits.

-- Receipt Print Sample --

3X	1.90 @
Kiwi Jam	\$5.70TF

Split Package Pricing

OPERATION

(1) Department

• Preset Dept

| Purchased Q'ty | [@/FOR] | Whole Package Q'ty | [@/FOR] → ([SHIFT])
 for the shifted depts.
 → [Preset DEPT]

• Open Dept

| Purchased Q'ty | [@/FOR] | Whole Package Q'ty | [@/FOR] →
 → | Whole Package Price | ([SHIFT]) [Open DEPT]
 for the shifted depts.

(2) PLU

• Preset PLU

| Purchased Q'ty | [@/FOR] → | Split-Price Type PLU Code | [PLU]
 | Purchased Q'ty | [@/FOR] → [Split-Price Type PLU Preset-code Key]

• Open PLU

| Purchased Q'ty | [@/FOR] →
 → | Split-Price Type PLU Code | [PLU] | Whole Package Price | [AMT]

- NOTES :**
1. Purchased Q'ty max. 3 digits integral only.
Whole Package Q'ty max. 3 digits integral only.
Whole Package Price max. 6 digits
 2. Usually the fraction of the result is rounded up in split package pricing.
 However, it is programmable to rounded up the fraction of each item price.
 3. Only the Split-Price Type PLUs (i.e. with Whole Package Quantity programmed) allow split package pricing operations using PLUs.

-- Receipt Print Sample --

6X	1.00/ 6
Tomato	\$1.00TF

Single-Item Department or Single-Item PLU

If a department (or PLU) is programmed as Single-item, the department (or PLU) entry sequence will immediately finalized the sale as cash sale when outside a sale.

OPERATION

Same as

Department Entry
PLU Entry
Quantity Extension
Split Package Pricing

-- Receipt Print Sample --

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90	#3001
DP14	\$3.50
CASH	\$3.50
ITEM	1
JONES	0010 14:18TM

Returned Merchandise

OPERATION

[RTN MDSE] → Department Entry
 PLU Entry
 Quantity Extension
 Split Package Pricing
 Single-Item Department/PLU
 Sub-Link PLU Entry (operate before Head-link PLU)
 Sub-Link Department Entry (operate before each or
 either of the two items that require Return)

NOTE : The [RTN MDSE] key can be used outside as well as inside a sale.

-- Receipt Print Sample --

RTN	
Guinness	-1.50T

Percent Discount, Percent Charge

OPERATION

Dept or PLU entry _____
 Positive Previous Balance entry _____
 (debit balance)
 [ST] _____

→ [%-] (or [% +])
 → | Rate | [%-] (or [% +])

- NOTES :**
1. Rate 0.001 to 99.999 (%).
 2. When the Dept or PLU item entry is modified with [RTN MDSE] or [VOID], the following % entry will also be modified with [RTN MDSE] or [VOID].
 3. Usually a % key operation after [ST] once obtained is allowed only once. However, it may be programmed to allow more than once.

-- Receipt Print Sample --

%-	
5%	-0.25

Dollar Discount

OPERATION

[Amount to be discounted] [DOLL DISC]

NOTE : An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

DISC	-1.00
TAX	\$0.50

Item Correct

OPERATION

Department Entry
 PLU Entry
 Repeat Entry
 Quantity Extension
 Split Package Pricing
 Percent Discount/Charge
 Store Coupon
 Vendor Coupon
 Charge Posting
 Received-on-Account
 Paid-Out
 Manual Tax Entry
 Returned Merchandise
 Bottle Return
 Dollar Discount

→ [ITEM CORR]

- NOTES :**
1. When [ITEM CORR] is depressed after a Repeat Entry, only the last item of those repeated will be deleted.
 2. When [ITEM CORR] is depressed after a Quantity Extension, the entire product (result of multiplication) will be deleted. The same is applied to the Split Package Pricing sequence.

-- Receipt Print Sample --

FRUIT-----	\$2.50TF
------------	----------

Non-add Number Print

Non-add numbers can be entered and printed for future references, to indicate codes or numbers of customers, media checks, credit cards, etc. The entered numbers do not affect any sale total data.

OPERATION

| Number | [#]

Max. 8 digits.

- NOTES :**
1. It is programmable whether a No-sale operation is allowed after a Non-add Number entry.
 2. It is also programmable whether Non-add Number can only be entered once or any number of times within a transaction.

-- Receipt Print Sample --



Listing Capacity Open

For Departments and PLUs

Depress **[LC OPEN]** (or **[OPEN]**) prior to or any time during an entry of an open-department, open-PLU, or preset-open department or PLU sequence (including REPEAT and QUANTITY EXTENSION entries). Please note that the **[LC OPEN]** or **[OPEN]** key must be pressed, at latest, before the final key of the entry sequence. The HALC (High Amount Listing Capacity) for the department or PLU will be extended with two higher digits, and the LALC (Low Amount Listing Capacity) will be extended with one lower digits. For entering an amount still exceeding these limits, you must call for a Manager Intervention.

For Amounts through [DOLL DISC], [VND CPN], [STR CPN], [BTL RTN]

To exceed their limits, you must call for a Manager Intervention. The **[LC OPEN]** key will not be effective.

Modification of Tax Status, Food Stamp Status, or Selective Itemizer Status

Depress **[TX/M]** (**[TX1/M]**, **[TX2/M]** or **[TX3/M]**) in the same way as **[LC OPEN]** is operated, prior to or any time during the entry sequence of the required Department, PLU, or any tax-status-programmable item. The taxable status is reversed to non-taxable, and vice versa. The **[FS/M]** key operates the same to reverse from the food stampable status to non-stampable, and vice versa, of the required item.

The **[SI/M]** (**[SI1/M]**, or **[SI2/M]**) key also has the same function as the above modifier keys. (i.e. the function to reverse from the SI-net status to the non-net status, and vice versa, of the required item.)

Vendor Coupon

OPERATION

I Coupon Amount I [VND CPN]

NOTE : The coupon amount to be entered must not exceed the sale total unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

V.CPN	-5.00
-------	-------

Store Coupon

OPERATION

[STR CPN] → Follow | Department Entry
| Quantity Extension for Depts |

NOTE : The store coupon amount to be entered must not exceed the sale total unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

S.CPN	
BAKERY	-2.00TF

Void

OPERATION

[VOID] → | Department Entry
| PLU Entry
| Quantity Extension
| Split Package Pricing
| Single-Item Department/PLU
| Sub-link PLU Entry
| Sub-link Department Entry

NOTE : An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

VOID	
BTB FOOD	-2.00TF

All Void (Cancel)**OPERATION****[ALL VOID] → [ITEM CORR]**

- NOTES :** 1. Pressing the **[ALL VOID]** key, followed by the **[C]** key will result in all void cancellation.
 2. It is inoperable if 31 items or more are entered.

-- Receipt Print Sample --

11-20-90	#3001
CAN FOOD	\$2.50TF
SNACK	\$1.00T
2X	1.20 @
Pickles	\$2.40TF
ALL VD	\$5.90
JONES	0027 15:12TM

Manual Tax Entry**OPERATION****| Irregular Tax Amount to be Added | [TAX]**

-- Receipt Print Sample --

TAX4	\$1.30
------	--------

Subtotal**OPERATION****[ST]**

NOTE : A program option provides the selection not to print but only display the subtotal even on the first depression of the **[ST]** key.

-- Receipt Print Sample --

SUBTL	\$5.45
-------	--------

Taxable Total Read

The sale total including tax due of the items so far entered is displayed, but not printed.

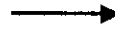
OPERATION**[TXBL TL]**

Food Stampable Total Read, Food Stamp Tendering

OPERATION

[FSTL TEND]

Display the Food
Stampable Total



| Food Stamp Tendered Amount | [FSTL TEND]

Tendering in Food Stamp
(This must be operated first of all the
payments in finalizing the sale if food
stamps are part of the payment.)

NOTE : When the Food stamp tendered amount is less than the sale total, the sale is not finalized with the balance still due is displayed. Then it will be finalized with cash or other media total or tendering operations.

SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY											
		PLU				AMOUNT							
		DPT	RPT										
		SO	SL	SI	RE	(-)	FS	TK	ST	TL	CG	YR	SH
Sale items have been entered.													
Food Stampable total is read.	[FSTL TEND]									8	2	1	
Tenders \$10.00 in food stamps.	1000			▼	▼		▼			1	0	0 0	
The sale is finalized, change is displayed.	[FSTL TEND]	1		▼						0	7	6	
		↑								↑			

-- Receipt Print Sample --

FS/TL	\$8.24
F-STMP	\$10.00
CHANGE	\$0.76
FS CHG	\$1.00
ITEM	1
JONES	0033 15:25TH

Change in
Food Stamps
(unit dollar)

Change in cash.

Tax Exempt**OPERATION***Selective Tax Exemption*

[TX1/M] [EX] → Sale Finalization --- to exempt Tax 1 only
 [TX2/M] [EX] → Sale Finalization --- to exempt Tax 2 only
 [TX3/M] [EX] → Sale Finalization --- to exempt Tax 3 only

All Tax Exemption

[EX] → Sale Finalization
 [TX1/M] [TX2/M] [TX3/M] [EX] → Sale Finalization] to exempt all taxes.

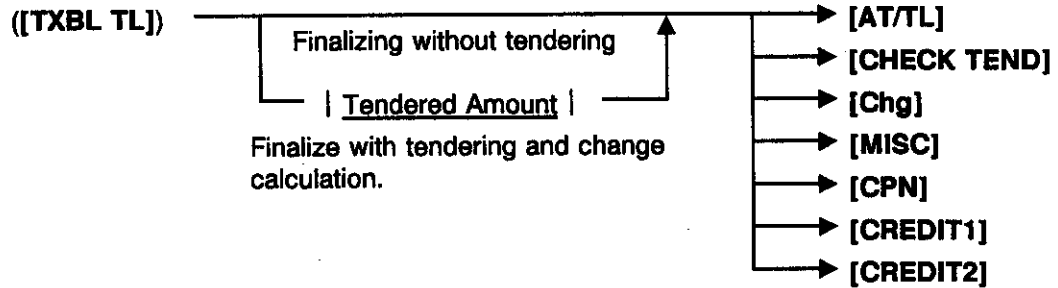
NOTE : On depressing [EX], the sale total excluding the exempted-tax(es) is displayed and pre-taxed amount of the sale portion subject to the tax exemption is printed.

-- Receipt Print Sample --

TAX1EX	\$7.20
--------	--------

Sale Finalization by Media Keys

OPERATION



- NOTES :**
- Whether each Media Key is depressed with a prior Tendered Amount entry or not is determined by the key status selections programmed for each media key.
 - If the sale total is "0" or negative, any media key must be depressed without a tendered amount entry even if it is programmed as a "Tender" Key.
 - If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash total or tendering operations.

-- Cash Tender Sample --

CATEND	\$6.00
CHANGE	\$0.24
ITEM	12
JONES	0035 15:34TM

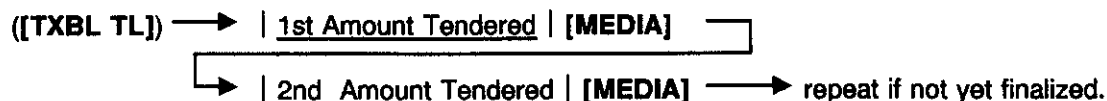
-- Charge Total Sample --

Chg	\$6.65
ITEM	3
JONES	0036 15:36TM

Multi-Tendering

Short-tendering repeated multiple times by the same media (allowed only when the media key is programmed to allow short-tendering).

OPERATION



NOTE : If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash tendering operations.

-- Receipt Print Sample --

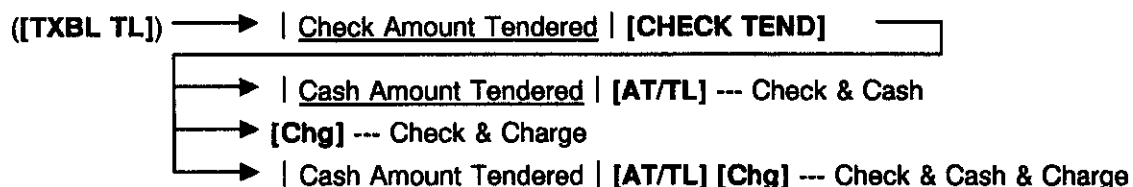
TOTAL	\$9.16
CATEND	\$5.00
CATEND	\$5.00
CHANGE	\$0.84
ITEM	13
JONES	0037 15:37TM

Split-Tendering

Short-tendering repeated multiple times by the different media keys (allowed only when the media keys are programmed to allow short-tendering).

OPERATION

Example 1)



Example 2)



NOTE : If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash tendering operations.

-- Receipt Print Sample --

TOTAL	\$15.31
CHECK	\$5.00
CATEND	\$5.00
Chg	\$5.31
ITEM	17
JONES	0038 15:39TM

Check Cashing (No-sale cashing of a non-cash media)

OPERATION

(must be operated outside a sale)

| Check Amount to be Cashed | [CHECK TEND] --- The drawer opens to enable the exchange.

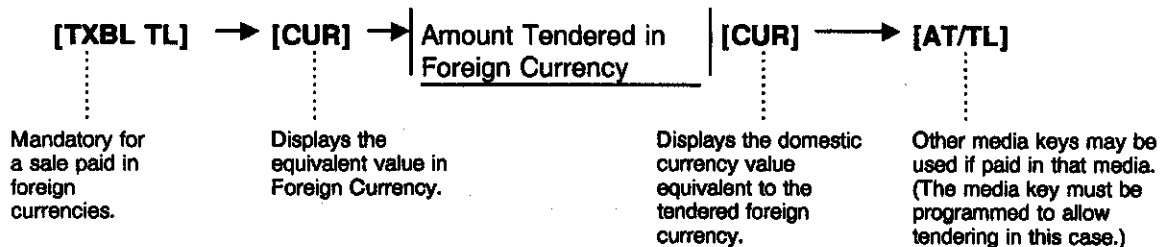
NOTE : Other non-cash media keys may be used for this purpose if programmed to allow no-purchase cashing.

-- Receipt Print Sample --

11-20-90	#3001
CHECK	\$15.00
JONES	0039 15:42TM

Sale Paid In Foreign Currencies

OPERATION



- NOTES**
1. When a tendering by a foreign currency occurs during a short tendered condition, the [TXBL TL] key will not be mandatory.
 2. The sale is finalized if over-tendered, with change due displayed in the domestic currency.
If short-tendered, the balance due is displayed in the domestic currency value.
 3. A sale of negative balance cannot be finalized using any of the foreign currency keys.
 4. The foreign currency keys cannot be used to finalize Received-on-Account payments, Paid-out items, or charge posting.
 5. If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash tendering operations.

SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY											
		PLU				AMOUNT							
		DPT	RPT										
Sale items have been entered.													
Obtain subtotal.	[TXBL TL]												
The customer wants to pay in Foreign Currency. (Reading the displayed amount in CUR, you tell the amount to the customer.)	[CUR1] (The CUR value equivalent to the above subtotal amount is displayed.)												
The customer tenders an amount of F50.00 in CUR.	5000 [CUR1] (The amount tendered is displayed in the domestic currency.)												
Since paid in cash, use [AT/TL].	[AT/TL]												
The sale is over-tendered and finalized. Give the change (displayed in the domestic currency value) to the customer in the domestic currency.													
	CATEND \$9.31 CHANGE \$2.93 ITEM 2 JONES 0051 16:02TH												

No-sale Exchange from a Foreign Currency to the Domestic Currency

OPERATION

(must be operated outside a sale)

[CUR] → | Amount of Foreign Currency to be exchanged | [NS]

The drawer opens to enable exchange.
Displays the domestic currency amount equivalent to the entered foreign currency amount.

-- Receipt Print Sample --

```

CUR2      20.00
CHANGE    $11.35

JONES     0052 16:06TH

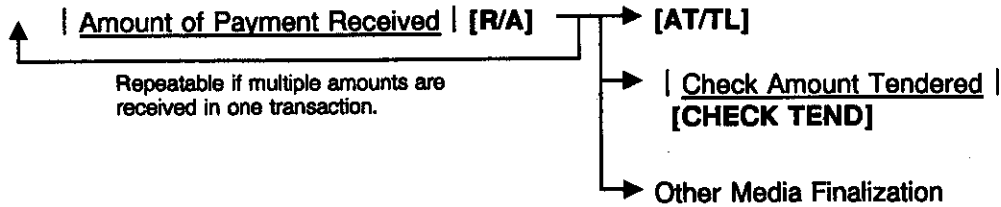
```

Received-on-Account

A received-on-account transaction is used to identify money which is in the drawer but not from the daily business.

OPERATION

(must be operated outside a sale)



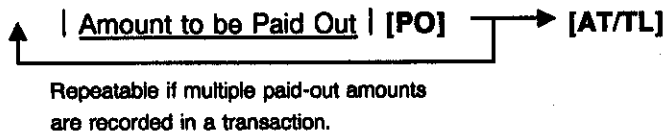
- NOTES :**
1. Media Keys to finalize R/A entries must be programmed with the status "R/A operation allowed".
 2. If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash total or tendering operations.

Paid-Out

A paid-out transaction is used when money is removed from the drawer without totaling to a sale.

OPERATION

(must be operated outside a sale)



NOTE : Only [AT/TL] key can finalize paid-out transactions.

-- Receipt Print Sample --

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90 #3001	
Th	
R/A	\$5.00
R/A	\$8.00
CASH	\$13.00
1	
JONES	0053 16:06TH
PD	
PD	
TOTAL	\$5.00
JONES	0054 16:07TH

Validation Print

OPERATION

After entering the required item through a transaction key or media key **(NOTE 3)**

→ Insert a validation slip into the validation slot. Make sure that the "SLP" lamp is steadily lit. → **[VALIDATE]**

- NOTES :**
1. No other operations can follow until the validation slip once printed is withdrawn.
 2. Because printing occurs on the bottom side of the paper, please be certain to insert the slip into the validation slot with the printing side downward.
 3. If the "SLP" lamp flickers during registrations, it indicates that the last item just registered has been programmed to require validation print. In this case, no other operations can follow until the validation print of the item is executed.
 4. The following are the programmable selections relating to validation:
 - (1) PRINT FORMAT
 - a) Date Print/Non-print
 - b) Consecutive No. Print/Non-print
 - (2) MULTI- or SINGLE-VALIDATION
(Number of times of validation print allowed for the same item)
 - (3) VALIDATION COMPULSORY status on the following keys :
[AT/TL], [CHECK TND], [Chg], [MISC], [CPN], [TRF], [RTN MDSE], [PO], [R/A], [VOID], [ITEM CORR], [DOLL DISC], [VND CPN], [STR CPN], [FSTL TEND], [%-], [BTR],[CREDIT1],[CREDIT2],Negative Departments and PLUs.

RECEIPT PRINT

VALIDATION PRINT

TEC STORE 1343 PEACH DRIVE PHONE: 87-6437 Thank you Call again 11-20-90 #3001 BTL FOOD \$3.50TF 12X 0.75/ 4 Orange \$2.25TF #2431 TAX \$0.53 Chg \$6.28 ITEM 13 JONES 0056 16:15TH		11-20-90 01CL0056 BTL FOOD \$3.50TF 11-20-90 01CL0056 Orange \$2.25TF 11-20-90 01CL0056 #2431 11-20-90 01CL0056 Chg \$6.28
--	--	---

Receipt Post-Issue

OPERATION

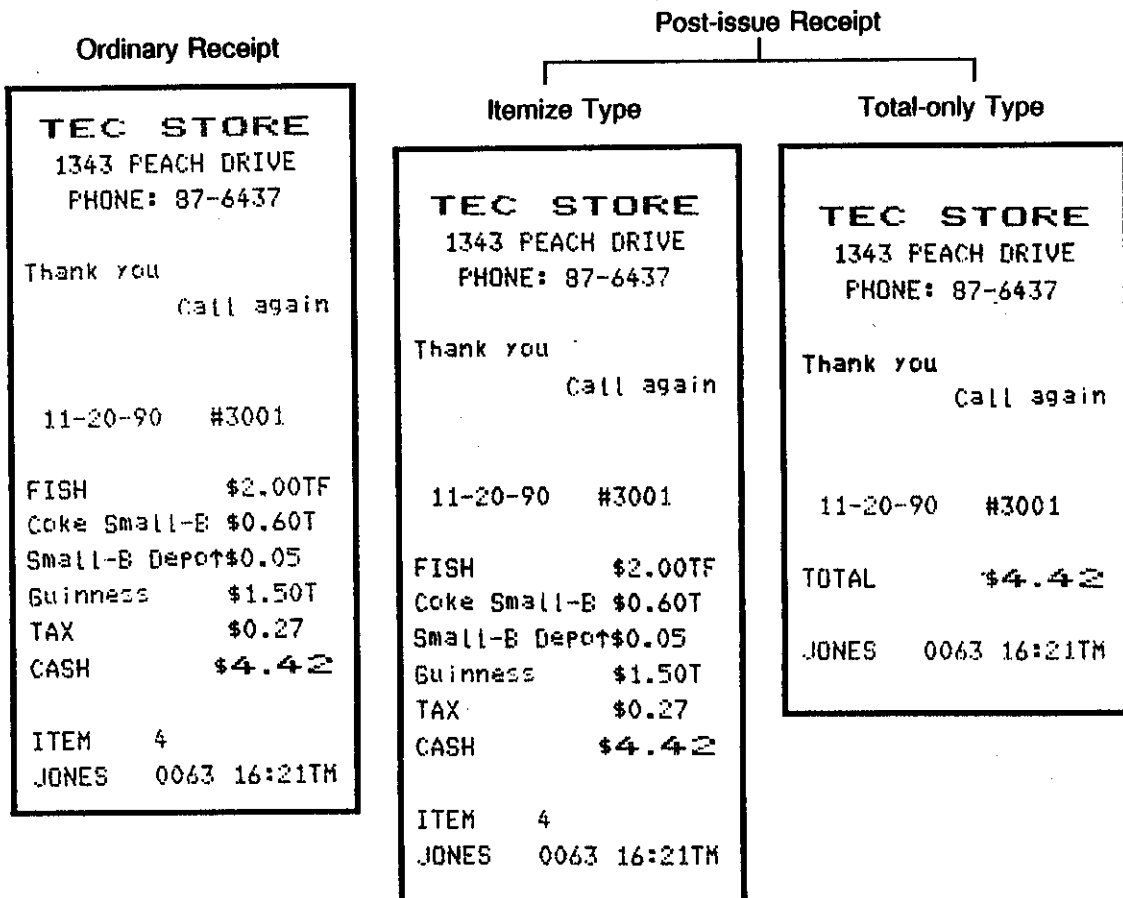
(must be operated outside a sale)

(A sale is finalized) → **[RECEIPT ISSUE]**

Programmable options :

- Post-issue receipt is available only when the sale has been finalized with the sale has been finalized with **[RECEIPT ON/OFF]** switch positioned to "OFF".
- Available regardless of the switch position (in this case two receipts may be obtained for one sale.)
- Post-issue receipt is itemized receipt for a sale of maximum 30 lines. Exceeding 30 lines, the post-issue receipt is total-only receipt.
- Post-issue receipt is always total-only receipt regardless of the number of lines of a sale.

- NOTES :**
1. The post-issue receipt operation is not effective for a charge posting.
 2. The post-issue receipt content will not be printed on the Remote Slip Printer.
 3. The post-issue receipt is not available for Received-on-Account or Paid-Out transactions.



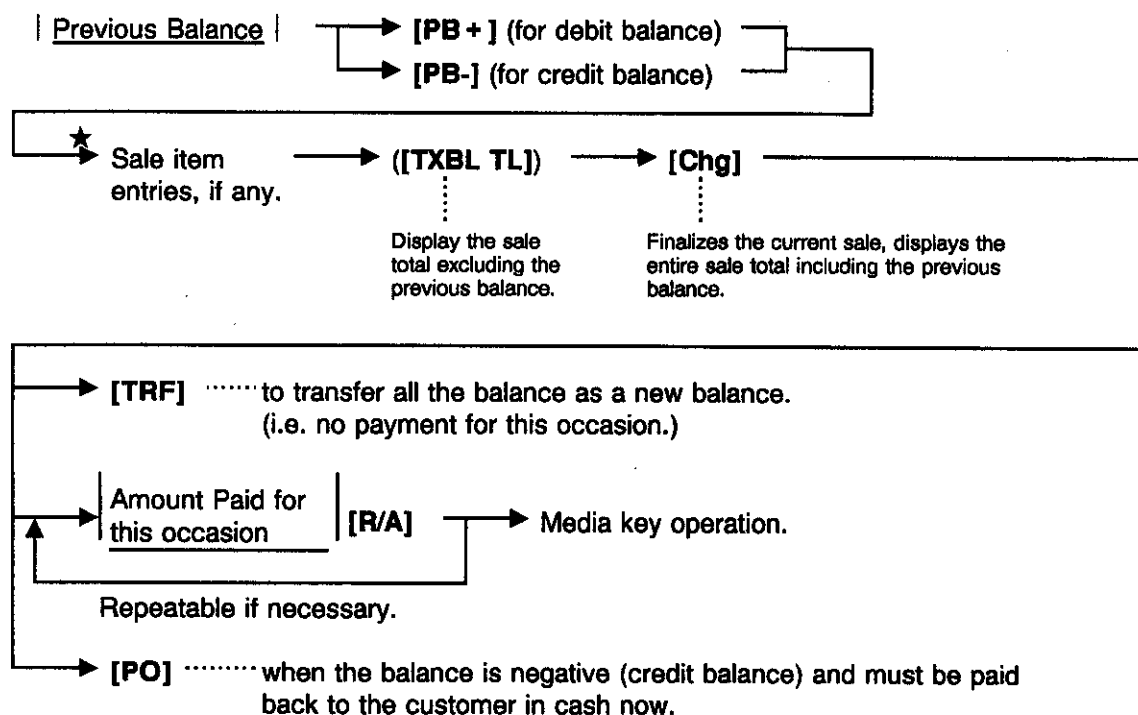
Charge Posting : Previous Balance Manual Entry Type

OPERATION

(1) To initiate charge posting for a new customer

| Q | [PB +] (or [PB-]) → Follow the line marked with "★" in operation (2) below.

(2) Charge posting with a previous balance first entered (pre-select) with or without PAYMENT



(3) Charge posting with a previous balance entered during a sale (post-select)

A previous balance may be entered not only before sale items but also after or between them if the [Chg] key has not been depressed. Multiple previous balance entries are possible within a sale (for the purpose to sum up multiple accounts into one, etc.)

(4) Percent charge/discount on a previous balance

| Previous Balance | [PB +] → (| Rate |) [% +]

NOTES : 1. The [%-] key operates the same for percent discounting.

2. The previous balance entered through [PB-] (credit balance) will not allow % + or %- operation.

3. If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during cash total or tendering operations.

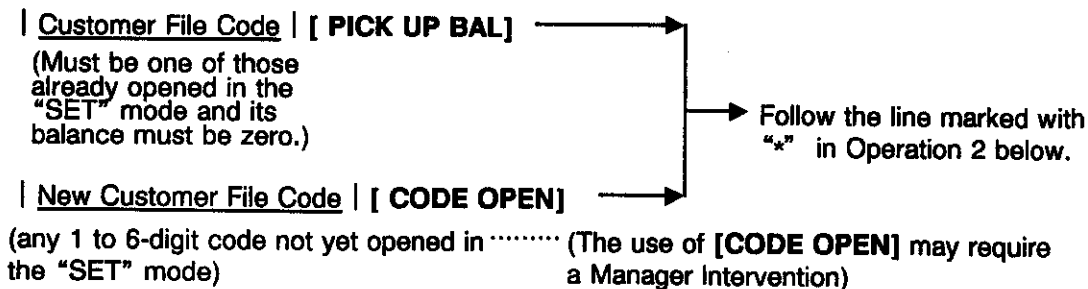
SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY										
		PLU				AMOUNT						
		SC	EL	ST	RE	PL	TX	ST	TL	CO	TH	SH
A customer has come. This customer has a previous balance of \$4.00. Ten items of PLU No. 121 All his balance is read. He will pay \$5.00 in cash. Then the balance was carried forward to the next time.	400 [PB +]			▼	▼				4	0	0	
	10 [@/FOR] 121 [PLU]	0	1	2	1		▼	▼	5	0	0	
	[Chg]			▼	▼				9	5	5	
	500 [R/A]			▼	▼				5	0	0	
	[AT/TL]			▼					5	0	0	
The customer comes again. Then he said he would pay all the previous balance. He pays the exact amount in cash. The balance of the customer is zero.	455 [PB +]			▼	▼				4	5	5	
	[Chg]			▼	▼				4	5	5	
	455 [R/A]			▼	▼				4	5	5	
	[AT/TL]			▼					4	5	5	
				▼					▼			

PB+	\$4.00
10X	0.50 @
Tuna Can	\$5.00TF
TAX	\$0.55
Chg	\$9.55
R/A	\$5.00
CASH	\$5.00
NEW BAL	\$4.55
ITEM	10
JONES	0074 16:42TH

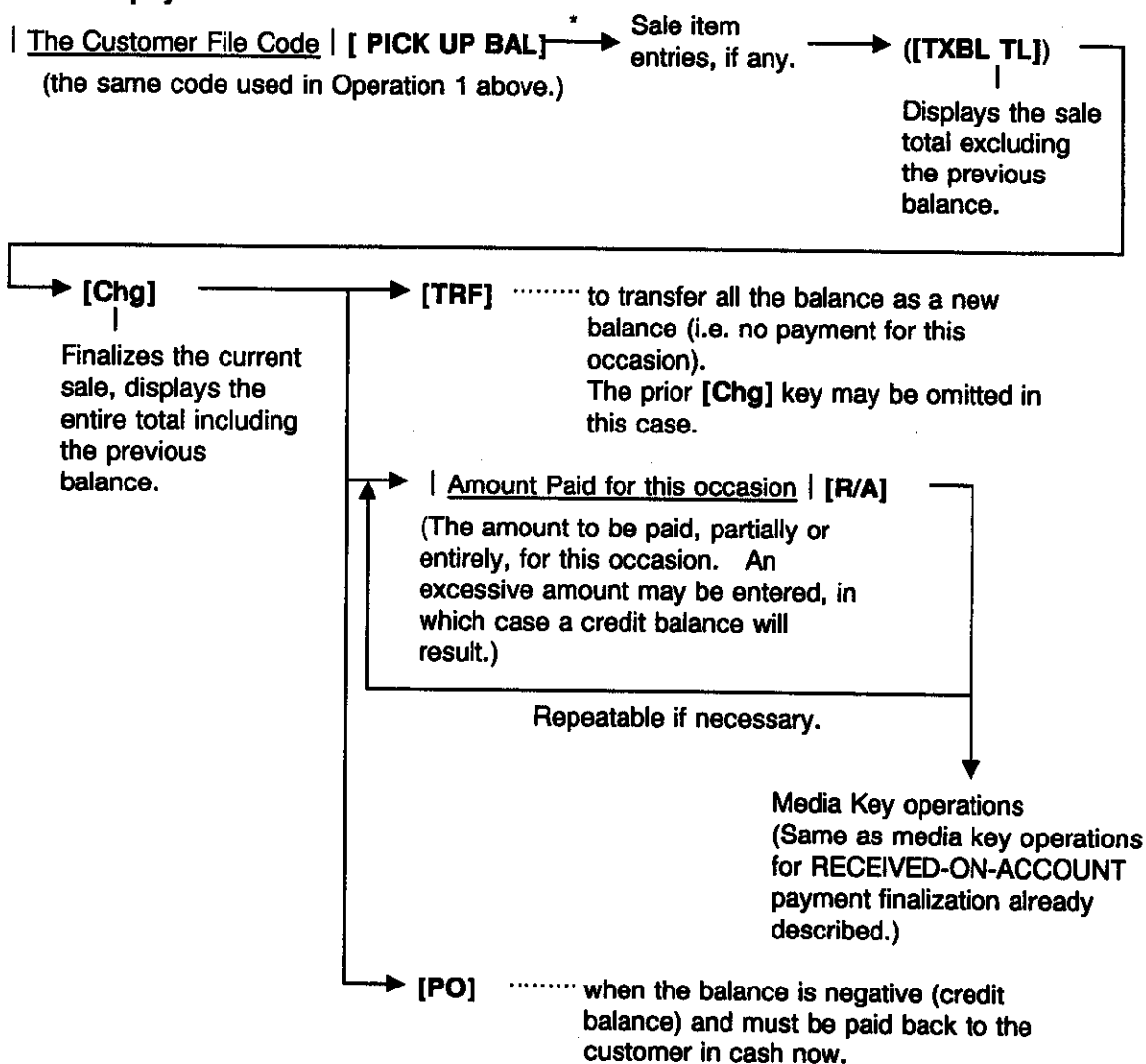
PB+	\$4.55
Chg	\$4.55
R/A	\$4.55
CASH	\$4.55
NEW BAL	\$0.00
ITEM	0
JONES	0078 16:47TH

Charge Posting : Customer File Type (Check Track Memory Option)

(1) To Initiate charge posting for a new customer



(2) Charge posting with a previous balance first entered (pre-select) with or without payment.



(3) Charge posting with a previous balance entered during a sale (Post-select)

A previous balance recalled through **[PICK UP BAL]** (or a zero balance by **[PICK UP BAL]** or **[CODE OPEN]**) may be entered not only before sale items but also after or between them if the **[Chg]** key has not been depressed. But, this operation is allowed only once in a sale.

(4) Percent rate addition to a previous balance

| Customer File Code | **[PICK UP BAL]** → (| Rate |) [% +] → ---

- NOTES :**
1. The [%-] key operates the same for percent discounting.
 2. When the balance recalled is negative (credit balance), neither % + nor %- can be operated.
 3. If programmed cash-in-drawer limit amount. the buzzer beeps when cash total in the drawer reaches the limit amount during cash total or tendering operations.

SAMPLE OPERATION CONTENTS	KEY OPERATION	DISPLAY											
		PLU		AMOUNT									
		DPT	RPT										
		SO	SL	SE	AE	()	PS	TX	ST	TL	CG	TR	SH
A customer who has the customer file No. 105 comes to purchase the following item. \$ 2.00 [DEPT 3] Finalize this sale. She says that she pays \$5.00 in advance, which is more the current balance. She tenders \$2.88 is a credit balance.	105 [PICK UP BAL]			▼	▼					0	0	0	
	200 [DEPT 3]			▼	▼		▼	▼		2.	0	0	
	[Chg]									2.	1	2	
	500 [R/A]			▼	▼					5.	0	0	
	[AT/TL]			▼	▼					5.	0	0	
She comes again to close her account. The final balance is read. [PO] is depressed to clear the credit balance. The "CHANGE" amount is the cash amount to be refunded to her.	105 [PICK UP BAL]			▼	▼	▼				2.	8	8	
	[Chg]									2.	8	8	
	[PO]			▼	▼	▼				2.	8	8	
				▼							▼		

```

#000105      $0.00
MEAT         $2.00TF
TAX          $0.12
Chg          $2.12

R/A          $5.00
CASH         $5.00

NEW BAL      -2.88

ITEM         1
JONES       0068 16:28TM

```

```

#000105      -2.88
Chg          -2.88

CHANGE       $2.88

NEW BAL      $0.00

ITEM         0
JONES       0069 16:36TM

```

Other Income Entry

Used to enter items which do not directly become sales for the store, such as lottery, postage, gift wrapping fee, size adjustment fee, utility (payment of electricity and gas), and donation.

OPERATION

- | Price | [Other Income Dept] → Sale Finalization
- | Price | [Other Income Dept] [Same Dept] → Sale Finalization
- | Quantity | [X] | Price | [Other Income Dept] → Sale Finalization

-- Receipt Print Sample --

DP 13	\$5.00
CASH	\$5.00
ITEM	1
JONES	0079 16:57TH

NOTE : When Other Income Dept is programmed on Dept No.31 or more, refer to the followings.

- The [SHIFT] key must be depressed before the [Other Income Dept] key.
- For the Repeat Entry, the [RPT] key must be depressed instead of the [Same Dept] key.

Bottle Return

OPERATION

- | Bottle Return Amount | [BTL RTN]
- | Quantity | [@/FOR] | Unit Amount | [BTL RTN] ----- Quantity Extension

NOTE : An amount exceeding the sale total cannot be entered unless the "Credit Balance" option is selected.

-- Receipt Print Sample --

BTR	-1.00
-----	-------

Selective Itemizer Total Read

The selective itemizer total is displayed and printed on the journal.

OPERATION

[SI/TL]

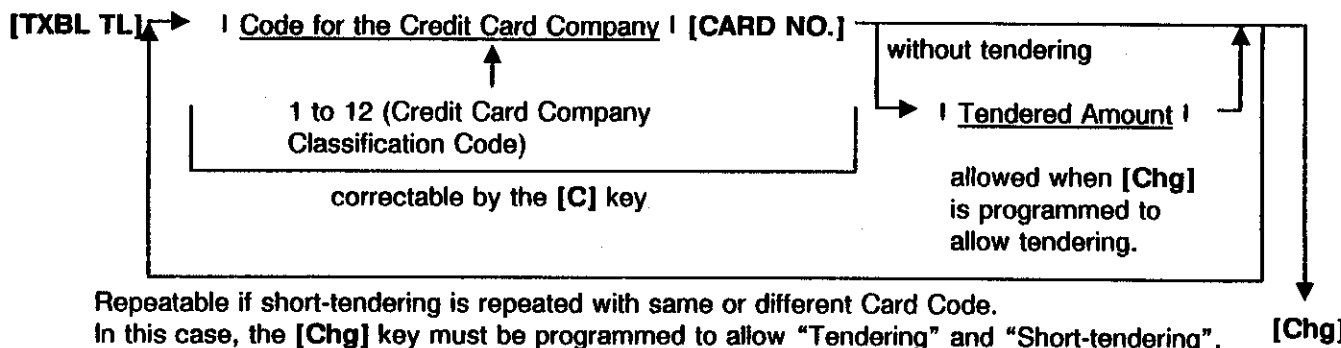
- NOTES :**
1. It may be programmed to print the total on the receipt.
 2. The content of the selective itemizer is cleared with the depression of **[SI/TL]**.
 3. When a preset % rate is programmed on **[SI/TL]**, the amount calculated with the rate is displayed and printed. Whether the calculated amount is added to or subtracted from the subtotal can be programmed.

-- Receipt Print Sample --

SI1 TL	\$0.18
TAX	\$0.47
CASH	\$7.37
ITEM	6
JONES	0085 17:03TH

Sale Finalization by Credit Card

OPERATION



Repeatable if short-tendering is repeated with same or different Card Code.

In this case, the **[Chg]** key must be programmed to allow "Tendering" and "Short-tendering".

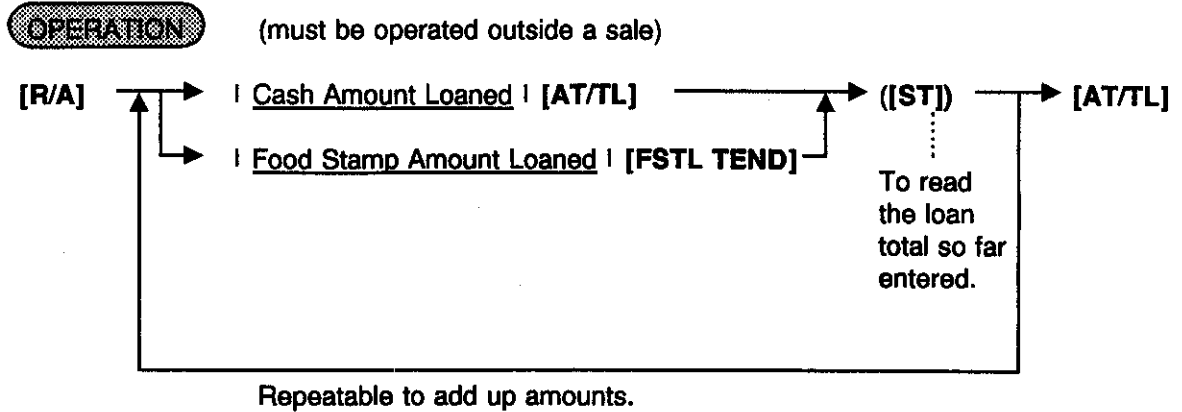
- NOTES :**
1. If the option "**[CARD NO.]** key compulsory" is selected, the **[Chg]** key must always be operated with a prior code and **[CARD NO.]** key entry sequence.
 2. The above sequence from "**| Code |**" portion up to "**[Chg]**" key may be used to finalize received-on-account payments if the **[Chg]** key is programmed to allow received-on-account entries.

-- Receipt Print Sample --

ABC	\$10.38
-----	---------

Loan

This operation is used to record the cash amount loaned from the store as the change reserve in the drawer. Food Stamps may also be loaned in this operation.



NOTE : If programmed cash-in-drawer limit amount, the buzzer beeps when cash total in the drawer reaches the limit amount during the cash loan operation.

-- Receipt Print Sample --

*LOAN *	
CASH	\$100.00
CASH	\$150.00
CASH	\$50.00
TOTAL	\$300.00
JONES 0096 17:14TH	

Scale Entry

OPERATION

(1) Auto Scale Entry

• Through Dept :

[SCALE] | Unit Price | ((SHIFT)) [DEPT]

max. 6 digits

for the shifted depts.

• Through Preset-PLU :

((SCALE)) | PLU Code | [PLU]

• Through Open-PLU :

((SCALE)) | PLU Code | [PLU] | Unit Price | [AMT]

max. 6 digits

(2) Auto Scale with Tare

- Through Dept :

| <u>Tare Table No.</u> |	| [TARE] |	| <u>Unit Price</u> |	| ([SHIFT]) [DEPT]
1 to 9		max. 6 digits	
		⋮	
			for the shifted depts.

- Through Preset-PLU :

| <u>Tare Table No.</u> |	| [TARE] |	| <u>PLU Code</u> |	| [PLU]
1 to 9			

- Through Open-PLU :

| <u>Tare Table No.</u> |	| [TARE] |	| <u>PLU Code</u> |	| [PLU] |	| <u>Unit Price</u> |	| [AMT]
1 to 9				max. 6 digits	

- NOTES :**
1. When depressed **[TARE]** after entered the tare table, the tare weight is automatically subtracted from the scaled weight, and thus only the net weight is processed.
 2. Manual entry of tare weight is not available.

(3) Manual Scale Entry (It may be prohibited by a program option.)

- Through Dept :

| <u>Net Weight</u> |	| [SCALE] |	| <u>Unit Price</u> |	| ([SHIFT]) [DEPT]
1 to 9999		max. 6 digits	
- 1/100 LB			
1 to 99999			
- g			for the shifted depts.

- Through Preset-PLU :

| <u>Net Weight</u> |	| [SCALE] |	| <u>PLU Code</u> |	| [PLU]
1 to 9999			
- 1/100 LB			
1 to 99999			
- g			

(4) Return or Void Scale Entry

[RTN MDSE] →	| <u>Net Weight</u> |	[<u>SCALE</u>] |	<u>Unit Price</u> |	(<u>[SHIFT]</u>) [<u>DEPT</u>]
(or [VOID])	1 to 9999		max. 6 digits	⋮
	- 1/100 LB			⋮
	1 to 99999			⋮
	- g			for the shifted depts.

[RTN MDSE] → | Net Weight | [SCALE] | PLU Code | [PLU]
 (or [VOID])
 1 to 9999
 - 1/100 LB
 1 to 99999
 - g

-- Receipt Print Sample --

11-20-90 #3001

MANUAL

8.00LB@ 2.00/LB

Pork* \$16.00TF

TAX \$0.96

Chg \$16.96

ITEM 1

JONES 0097 17:16TM

Salesperson Entry (Salesperson Sign-ON)

! Salesperson Code ! **[SALES PERSON]** → -- The name of the person is displayed, and printed on both the journal and the receipt.

Programmable options relating to Salesperson Entries :

- Salesperson's name non-print on receipt (print on journal only)
- Salesperson Entry compulsory before sale item entries.

-- Receipt Print Sample --

02 Stacy	
Rye Bread	\$1.20TF
Budweiser	\$1.50T
TAX	\$0.15
CASH	\$2.85
ITEM 2	
JONES	0099 17:18TM

Endorsement Print

OPERATION

After operating the required non-cash media key (usually the [CHK] key)

Insert the check or the required slip into the Remote Slip Printer.

Enter the Check No. (if unnecessary, the Check No. entry may be omitted.), and then depress [CHECK NO.] key.

NOTE : The Check No. entry prior to the [CHECK NO.] key may be programmed to be compulsory.

Receipt Print Sample

FRUIT	\$6.50	TF
MEAT	\$4.00	TF
TAX	\$0.78	
TOTAL	\$13.78	
CHECK	\$15.00	
CHANGE	\$1.22	
ITEM	3	
SMITH	0175 15:07TH	

Endorsement Print Sample

Printed on Remote Slip Printer

CHECK# 123456789012345
TEC STORE
 1343 PEACH DRIVE, TORRANCE,
 CALIFORNIA
 TOTAL \$13.78
 #3001 CHECK \$15.00
 2CL 0175 06-07-90 15:07TH

- ← Check No. (max. 15 digits) line
- ← Endorsement Message Lines (max. 3 lines programmable)
- ← Total (may not be printed)
- ← Check Amount Line
- ← Cashier ID, Consecutive No., Date, Time

Remote Slip Printer (hardware option) Operation

The TEC Remote Slip Printer DRS-107 may be connected to the MA-1700A series ECR as an optional device.

1. The remote slip printer will automatically activate printing when the slip has properly been set to the printer table.
2. The gap of the slip inlet is usually opened, and the slip may be inserted or withdrawn freely outside a receipt/journal print sequence.
3. The EJECT key on the DRS-107 may be used to open the closed gap in order to withdraw the slip and skip unnecessary item print. The EJECT key will be disregarded if the slip is set and the ECR receipt/journal printer is in a printing action.
4. Printing on the remote slip printer will be performed alternately with printing on the receipt/journal printer is in a printing action.

RECEIPT PRINT

```

Coke Small-B
          $3.60 T
      6X.  0.050
Small-Btl Depot
          $0.30
SUBTL      $5.20
Z+
      10%   $0.52
TAX         $0.65
Chg         $6.37

ITEM 13
SMITH 0177 15:13TH
  
```

REMOTE SLIP PRINT

```

Coke Small-B      6X  0.600      $3.60 T
Small-Btl Depot  6X  0.050      $0.30
SUBTL              $5.20
Z+                10%           $0.52
TAX                $0.65
Chg                $6.37

ITEM 13
06-07-90      #3001      SMITH      0177 15:13TH
  
```


10. POWER FAILURE PROCESS

If a power failure occurs, the sales memory is protected by the back-up battery; registration and printing will normally be performed on regaining the power. However, please note the following cases:

- (1) The printer will work to print the entered data without failure after the power recovery if any data was being printed. However, one extra line may be fed on the power recovery depending on the power failure timing.
- (2) The following are displayed indications on the power recovery :

ECR CONDITION at the time of Power Failure		DISPLAY INDICATION on the Power Recovery
OUTSIDE A SALE.	No Key-in has been operated.	Displays zero. Operations may go on.
	Numeric or Declaration Keys (such as [RTN MDSE], [PR OPEN], etc) have been entered but not motorized keys.	Displays "FAIL". Depress [C] to clear the error condition, and re-start the operation from the numeric or declaration key entry.
DURING A SALE.	No Numeric or Declaration keys have been entered.	Regains the display content that was obtained just before the power failure. The operations may be continued.
	Numeric or Declaration keys have been entered.	Displays "FAIL". Depress [C] to clear the error condition, and re-start the operation from the numeric or declaration key entry.

If a power failure occurs, it is recommended to check the receipt print content before the receipt is handed to the customer.

11. JOURNAL AND RECEIPT PAPER-END DETECTOR

- (1) This detects when either the journal or receipt paper is running out. It is provided to prompt the operator to replace the old paper roll with a new one.
- (2) When the paper roll is running out (or the paper has not been set properly), no key operation is accepted and the AMOUNT portion of the display keeps flickering.
- (3) When a new paper roll is set, only the [RF] and [JF] keys are allowed to operate. Next, when the [C] key is depressed, the display flickering will be cleared and normal key-in operations will be accepted. When any printing has been suspended, it will continue printing.
- (4) If this detector senses a paper-end condition during printing, the printing stops after the current line printing is completed.
- (5) If the [C] key is depressed in the paper-end condition, it is ignored. The [C] key depression will clear the display flickering only after the new paper roll is set.

12. ECR PRINTER MOTOR LOCK DETECTOR

- (1) This detects the printer motor lock condition caused by some trouble, such as paper jamming.
- (2) When such a condition is detected, the front display indicates "Error" and none of the keys (including [RF] and [JF]) will be accepted.
- (3) To regain the normal condition, turn the power of the ECR to OFF, remove the cause of the motor lock, and then turn the power to ON again.

13. REMOTE SLIP PRINTER MOTOR LOCK DETECTOR

- (1) This detects the remote slip printer motor lock condition caused by some trouble, such as paper jamming.
- (2) When such a condition is detected, the front display indicates "Error" and none of the keys (including [RF] and [JF]) will be accepted.
- (3) To regain the normal condition, turn the powers of the ECR and the remote slip printer to OFF, remove the cause of the motor lock, and then turn the powers to ON again.

* If the cause cannot be found in the remote slip printer and only the ECR may be required to work temporarily without the remote slip printer, remove the remote printer cable from the ECR, and turn the power of the ECR to ON.

14. PAPER ROLL REPLACEMENT AND OTHER MAINTENANCE OPERATIONS

14.1 INSTALLING THE RECEIPT PAPER

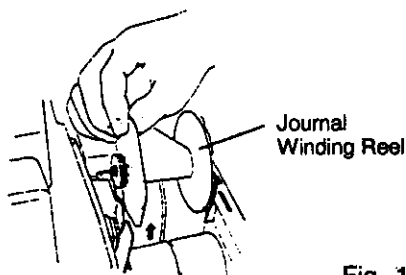


Fig. 1

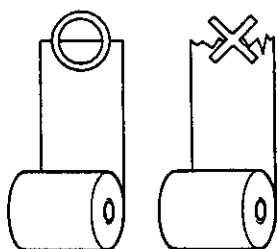


Fig. 2

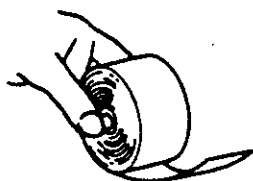


Fig. 3

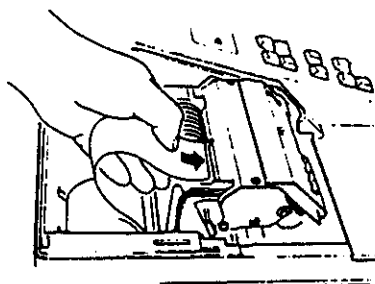


Fig. 4

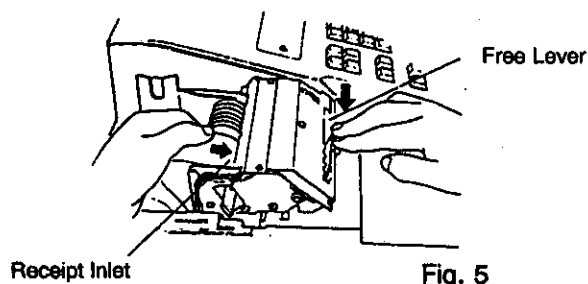
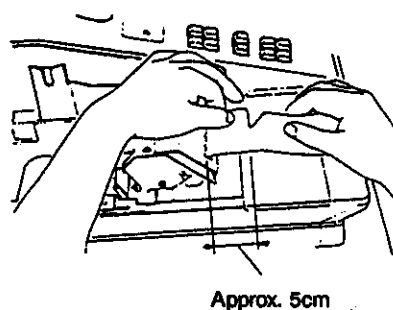


Fig. 5



Approx. 5cm

Fig. 6

1. Turn the Mode Lock to the "REG" position with the power ON.
2. Remove the Paper Cover, and remove the Journal Winding Reel (Fig. 1).
3. Before you install a new paper roll, the paper end should be cut with a knife or scissors for easy insertion (Fig. 2).
4. Hold a new paper roll in the direction shown in Fig. 3 so that the paper end will be fed from the bottom.
5. Place the paper roll in the outer holder of the two roll holders (Fig. 4).
6. Insert the paper end into the Receipt Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [RF] key). (Fig. 5)
7. When the whole folded portion has come out, tear off the unnecessary part with an appropriate end length remaining (approx. 5 cm or 2 inches). (Fig. 6)
8. Go on to INSTALLING THE JOURNAL PAPER steps if necessary, or go on to Step 9 below if not.
9. Attach the Paper Cover. Please note the paper end must be seen outside the cover.
10. Press the [C] key to clear the paper-end condition, and depress the [NS] key to issue a receipt to check if the paper has been properly set.

NOTE: The [RF] or [JF] keys function only when both receipt and journal paper rolls have been placed in their respective holders.

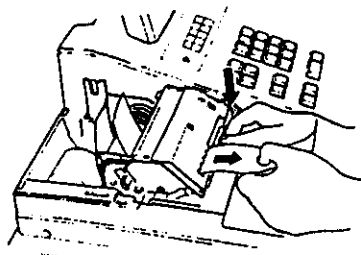


Fig. 7

14.2 REMOVING THE RECEIPT PAPER

1. Remove the Paper Cover.
2. Tear the paper end off the paper core, pull the paper end out while depressing the Free Lever. (Fig. 7)
3. Remove the paper core.

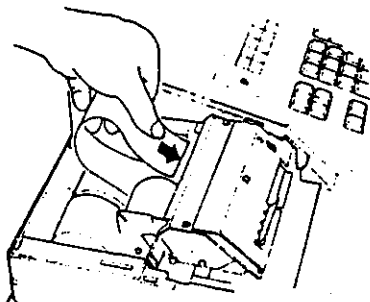


Fig. 8

14.3 INSTALLING THE JOURNAL PAPER

1. Turn the Mode Lock to the "REG" position with the power on.
2. Remove the Paper Cover by pulling it upward, and remove the Journal Winding Reel. (Fig. 1)
3. Follow Steps 3 and 4 of INSTALLING THE RECEIPT PAPER procedure on the previous page.
4. Place the paper roll in the inner roll holder of the two holders. (Fig. 8)
5. Insert the paper end into the Journal Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [JF] key). (Fig. 9)
6. When a sufficient amount of paper comes out, wind the paper around the Journal Winding Reel two or three times, and set the Journal Winding Reel into the Reel Holder. (Fig. 10)
7. Attach the Paper Cover.
8. Press the [C] key before starting operation.

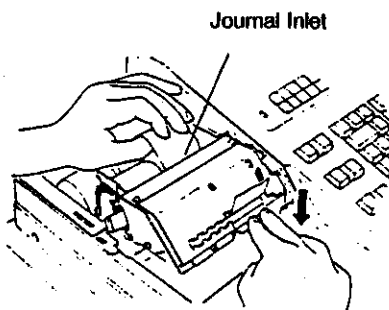


Fig. 9

14.4 REMOVING THE JOURNAL PAPER

1. Remove the Paper Cover.
2. Press the [JF] key to wind up enough of the journal paper, and then tear off the paper, holding the Journal Winding Reel.
3. The wound-up portion of the paper can easily be removed from the Reel by pulling it sideways. (Fig. 11)
4. If enough paper remains on the roll, follow Steps 6 through 8 above; if the paper is running out, follow Steps 1 through 8 above.

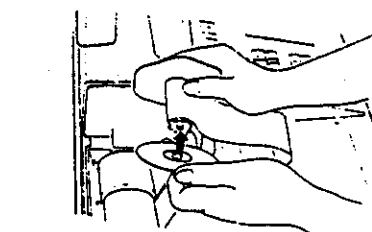


Fig. 10

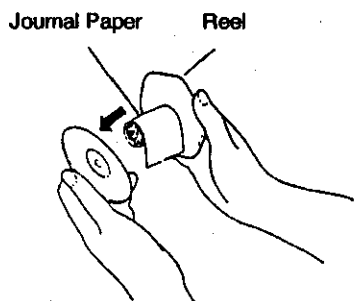


Fig. 11

NOTE: The [JF] or [RF] keys function only when both journal and receipt rolls have been placed in their respective holders.

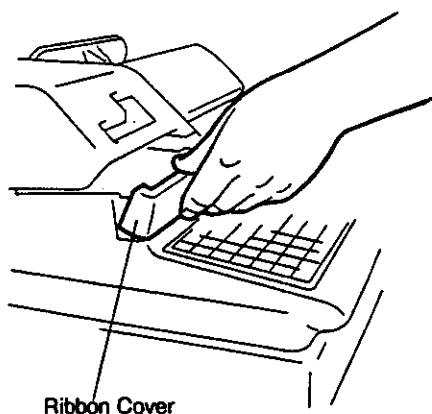


Fig. 1

14.5 REPLACING THE RIBBON CARTRIDGE

When the receipt and journal print is too light, replace the Ribbon Cartridge in the following manner:

1. Remove the Ribbon Cover (Fig. 1).
2. Remove the old Ribbon Cartridge by pulling it toward you (Fig. 2).
3. Install a new Ribbon Cartridge in the reverse order to Step 2 above (Fig. 3).
4. The Ribbon Cartridge is a consumable product. Be certain to use a genuine Ribbon Cartridge supplied by your TEC representative.

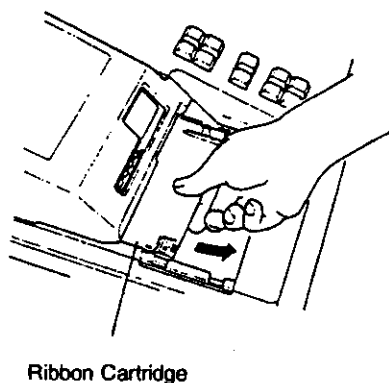


Fig. 2

14.6 REPLENISHING THE STORE NAME STAMP WITH INK

When the store name stamp is printed too lightly, replenish the ink in the following manner:

1. Turn the Power Switch to OFF. Remove the Paper Cover.
2. Withdraw the store name stamp with the protruding part pinched between your fingers (Fig. 4).
3. Apply ink to the pad on the rear side of the Store Name Stamp. The amount applied should be adjusted according to the desired darkness of the printed message, but the limit of 2 cc should not be exceeded. (The ink bottle supplied contains 5 cc of ink.) (Fig. 5)
4. Follow the reverse order of the instructions in Step 2, and then attach the cover.

Store Name Stamp

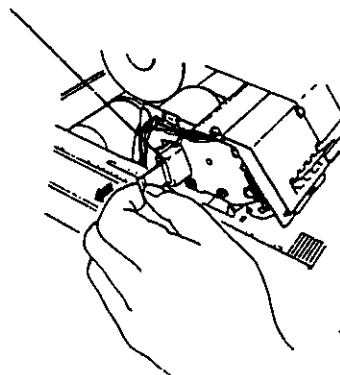


Fig. 4

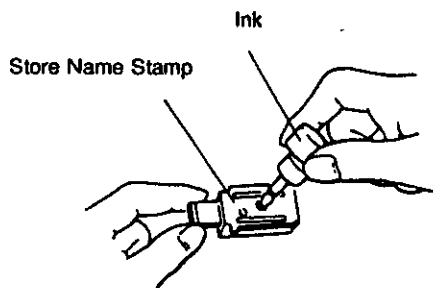


Fig. 5

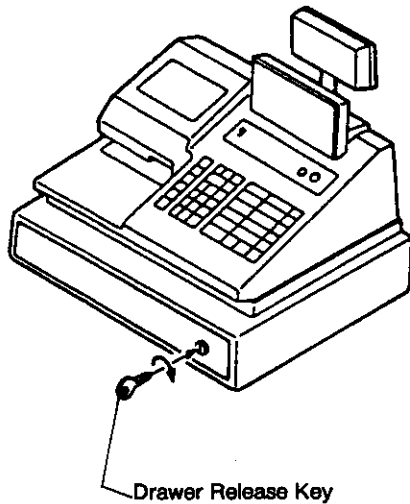


Fig. 1

14.7 MANUAL DRAWER RELEASING

The drawer opens automatically when a registration is performed. In the event of a power failure or other trouble, the drawer can be opened manually in the following manner:

1. Insert the Drawer Release Key into the drawer release lock and turn the key clockwise. The drawer will then open. (Fig. 1)
2. The Drawer Release Key can be taken out by returning it to the original position.
3. When the drawer is closed, it is automatically locked and will not open without the Drawer Release Key or a normal registering operation.

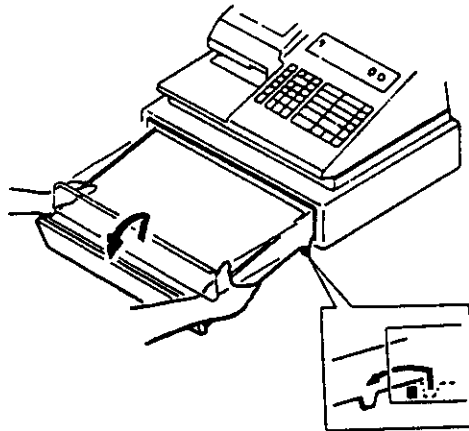


Fig. 2

14.8 REMOVING THE DRAWER

1. Pull the drawer out, and when it stops at the stopper, lift the drawer up and pull it further out (Fig. 2). When it stops again at the roller fixed in the drawer housing, lift it and pull it out (Fig. 3).
2. To return the drawer, follow the reverse procedure for removing.

14.9 CDC (Cash Drawer Cover; Option) LOCK

Locking (Fig. 4)

1. Push the Cash Drawer Cover to the back of the drawer.
2. Press the cover lightly, insert the key into the key-hole on the cover, and turn it to lock.

Unlocking

1. Unlock the cover using the key, and lift the front end.

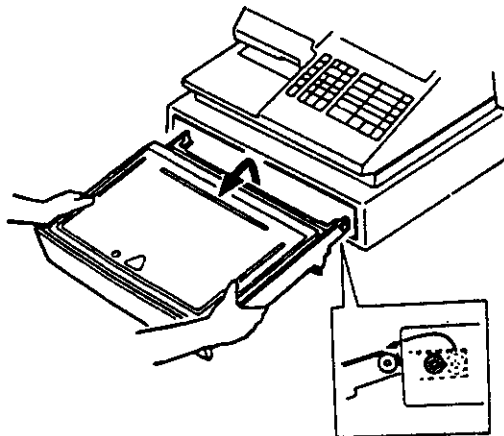


Fig. 3

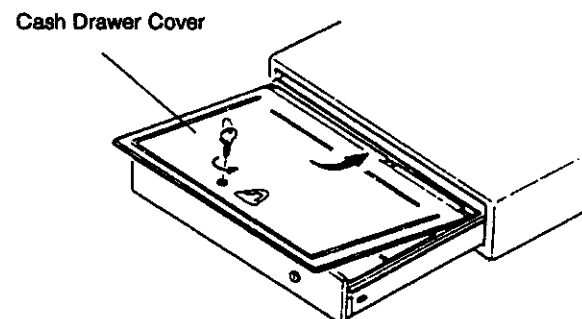


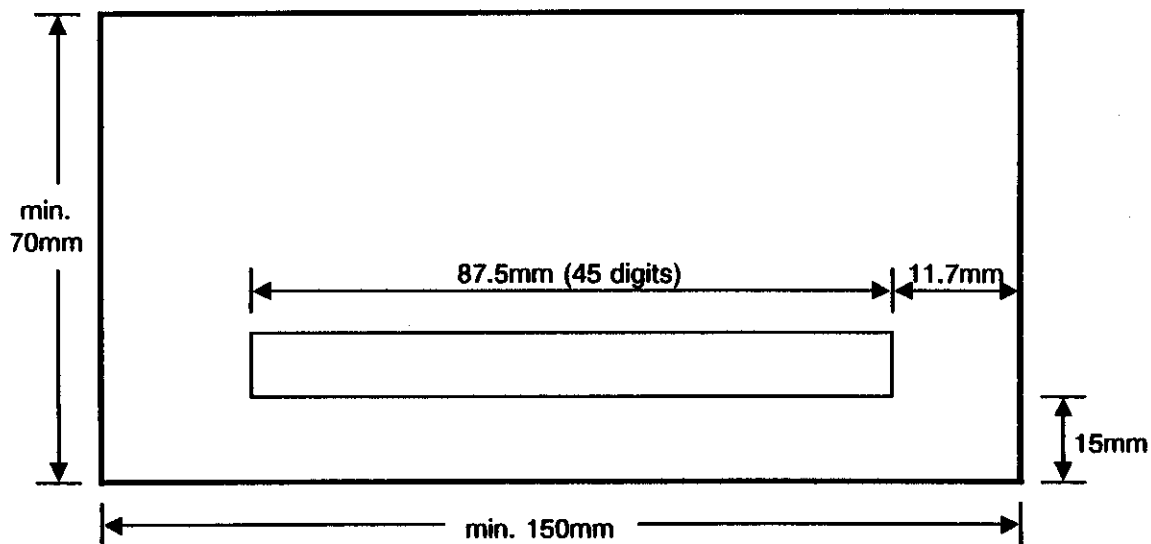
Fig. 4

15. SPECIFICATIONS

Size	460mm (width) x 400mm (depth) x 281mm (height) (height including rubber feet) (or 305mm-height when Customer Display is popped up.)
Weight	17.5kg
Power Required	AC100V, 110V, 117V, 220V, 240V; 50/60Hz (varies depending on the destination)
Power Consumed	0.7A (117V)
Ambient Temperature	0°C to 40°C
Relative Humidity	10% to 90%
Size of Receipt and Journal Tape ..	45mm (width) x 80mm (diameter)

VALIDATION SLIP SPECIFICATIONS

Type of Paper	Non-carbon Paper, or Ordinary Paper + Carbon Sheet
Thickness	0.06mm to 0.2mm (total thickness)
Max. Number of Duplicates	2 sheets (including the original sheet)
Size of Slip	Min. 150mm (width) x min. 70mm (height)



MANAGER'S GUIDE

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1. MANAGER INTERVENTION

1.1 ITEM PROGRAMMED TO REQUIRE MANAGER INTERVENTIONS

During daily sale entry operations, the cashier may call for Manager Interventions. The following is the operation flow of a Manager Intervention.

- (1) During operations, the cashier comes across an item that requires a Manager Intervention. The cashier, already informed of it, may immediately call for a Manager Intervention. Or the cashier, without knowing of it, attempts the operation and error results, clears the error by the [C] key, and then calls for a Manager Intervention.



- (2) You go to the cashier counter with the **MGR** or **MA** key.



- (3) The cashier explains what kind of operation is attempted, and removes the **REG** key from the Mode Lock at the "REG" position.



- (4) You insert the **MGR** or **MA** key and turns it to the "MGR" position.



- (5) The cashier operates the required item.



- (6) The manager returns the **MGR** or **MA** key to the "REG" position and pulls it out.



- (7) The cashier sets the **REG** key to the "REG" position again and continues registering operations.

The following are the tables of the keys and operations that are programmable with Manager Intervention. Fill in the table by marking in the "Not Required" or "Required" column of each item, referring to the documents, etc. listed in the table.

Table 1: KEYS AND MANAGER INTERVENTION STATUS

KEY	Manager Intervention		Reference
	Not required	Required	
[DOLL DISC]			Ask your TEC representative as to information or changes of KEY STATUSES.
[VND CPN]			
[STR CPN]			
[BTL RTN]			
[% +] (or [% I])			
[% -] (or [% II])			
[RTN MDSE]			
[VOID]			
[PO]			
[CODE OPEN]			
[EX]			
[ALL VOID]			

Table 2: OPERATIONS AND MANAGER INTERVENTION STATUS

OPERATION	Manager Intervention		Reference
	Not required	Required	
Negative-balance Sale Finalization by Media Keys except [AT/TL] or [FSTL TEND]			Ask your TEC representative as to information or changes of PROGRAM OPTIONS.
Negative Department or negative PLU Entries			

1.2 LISTING CAPACITY OR AMOUNT LIMIT RELEASE BY MANAGER INTERVENTION

Listing Capacities (LC) or Amount Limits may be programmed on Departments/PLUs, Tender Medias, [DOLL DISC], [VND CPN], [STR CPN], [BTL RTN]. These LC's and limits are programmed to check an excessively high or low amount entry by cashier's mistake at the earliest stage. The procedure of operators and Manager Intervention for LC release is same as described in 1.1.

2. MANAGER'S OWN OPERATIONS IN "MGR" MODE

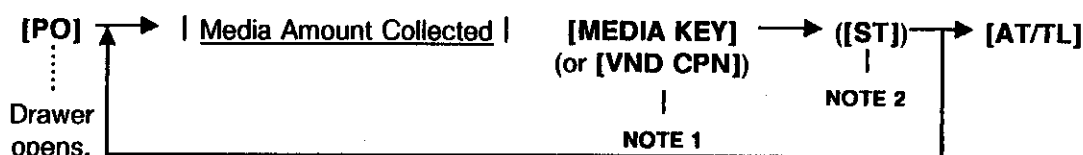
The following are operations possible only in the "MGR" position of the Mode Lock, which are performed by the manager or by a person under the manager's control.

2.1 PICK UP OPERATION

This operation is used when you collect money from the ECR drawer, during the day, for the banking purpose, etc. In order to record the money amounts collected and to subtract the amounts from the In-drawer Totals memory, this operation is necessary.

CONDITION Any time outside a sale (Sign-ON or Cashier Key ON is required.)

OPERATION Mode Lock: **MGR** / GT Lock: Neutral



Repeat until all the collected media amounts are recorded.

NOTE 1: Depress the media keys or the [VND CPN] key corresponding to the collected media ([AT/TL] for cash). The media keys that can be operated here are those programmed to print their medias-in-drawer amounts in reports.

NOTE 2: Depress [ST], if necessary, to obtain the subtotal amount of the medias so far collected.

-- Receipt Print Sample --

```

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
          Call again

11-20-90   #3001

*PICK UP*
CASH      $150.00
TOTAL    $150.00

JONES    0107 17:54TM
  
```

2.2 TRAINING MODE START AND END

When you have newly employed cashiers, you may provide the opportunities for them to train their skills of operating the MA-1700A. You are to start and end the Training Mode. Once entering the Training Mode, a cashier may operate just as ordinary sale entry operations. The data in the Training Mode are processed into Training Mode Total memory but not affect any actual sales data in business.

CONDITION

Outside a sale, in Cashier Signed-OFF condition (or no Cashier Keys to ON status)

OPERATION FOR TRAINING MODES START

Mode Lock: **MGR** / GT Lock: Neutral

| Programmed Training Mode Sign-ON/OFF Code | [#]

01 to 99 (must be a 2-digit value)

↓ (The Mode Lock may be turned to the "REG" position now.)

Registering operations are allowed by the trainees:

- No Cashier Sign-ONs are necessary. (The Training Mode Start itself is a kind of sign-ON.)
 - All registering operations are possible in the Training Mode
- except:
- 1) The drawer will not open.
 - 2) The Consecutive No. on the receipt will not be increased.
 - 3) Customer File entries (under Check Track Memory option) are not accepted.
 - 4) Print occurs on receipt and journal with the Training Header message.



OPERATION FOR TRAINING MODE END

Operate the same as the TRAINING MODE START.

Now the register is in a Signed-OFF condition. You may turn the Mode Lock to any position for its corresponding operations. To start sale entries, a cashier's sign-ON or a Cashier Key to ON status is again necessary.

NOTE : When operated Validation or Endorsement print in this mode, the printing action will take place, but nothing will be printed.

-- Refer to the sample receipts relating to the Training Mode, on the next page. --

Training Start (Training Sign-ON) Receipt

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

TRAINING
ON

0110 09:02TH

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

TRAINING

VEGETABLE \$2.50TF

Milk-Large \$1.30TF

TAX \$0.23

CASH \$4.03

ITEM 2

TRAINING

0110 09:03TH

A receipt issued in
the Training Mode
(Operations are allowed in the
"REG" or "MGR" mode, but not in
the "E" mode.)

Registering Contents

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

TRAINING
OFF

0110 09:05TH

Training End (Training Sign-OFF) Receipt

3. OPERATIONS IN "□" MODE

Instead of using the [RTN MDSE] or [VOID] keys in the "REG" or "MGR" mode for deleting individual items, the "□" mode automatically processes positive items into negative and negative into positive. To operate, turn the Mode Lock to the "□" position using the MA key, and enter the items, one by one, just as in the "REG" mode, as reading the sale receipt (issued at the time of the purchase) or tracing the returned items as if in the "REG" mode. A positive balance resulted in the "□" mode indicates the amount to be paid back to the customer.

The "□" mode operation may occur from time to time during day, on the cashier's request, just as in the case of ordinary Manager Interventions, when a customer comes to the cashier counter to return or cancel all the items that he once purchased. In using this mode, please be certain to read the following three cases of operation patterns. If you only turn the Mode Lock to the "□" position and let the cashier operate the actual item entries in this mode, you should also inform the cashier of these three cases.

3.1 ORDINARY OPERATIONS IN "□" MODE

Except those described in the next sections 3.2 and 3.3, all the sale items that were entered in "REG" or "MGR" at the time of purchase may be entered in the "□" mode in the same way as operated at the time of purchase.

OPERATION AND RECEIPT SAMPLE

RECEIPT ISSUED IN "REG" or "MGR" MODE

TEC STORE 1343 PEACH DRIVE PHONE: 87-6437	
Thank you Call again	
11-20-90	#3001
DAIRY	\$3.50TF
HANUAL	
1.00LB@	0.75/LB
Salmon*	\$0.75TF
Kiwi Jam	\$1.90TF
TAX	\$0.47
CASH	\$6.62
ITEM	3
JONES	0113 07:07TH

These two receipts contain the same sale items and media finalization. The operations are also the same except the Mode Lock position.

The cashier merely follows the purchase receipt (on the left) and enters the same items in the □ position, finalizing with the same media, in case a customer has returned or canceled the entire sale after the cashier had finalized that sale.

The □ mode header ("REG-" in this example) is printed at the top and bottom of the sale contents in the □ mode receipt.

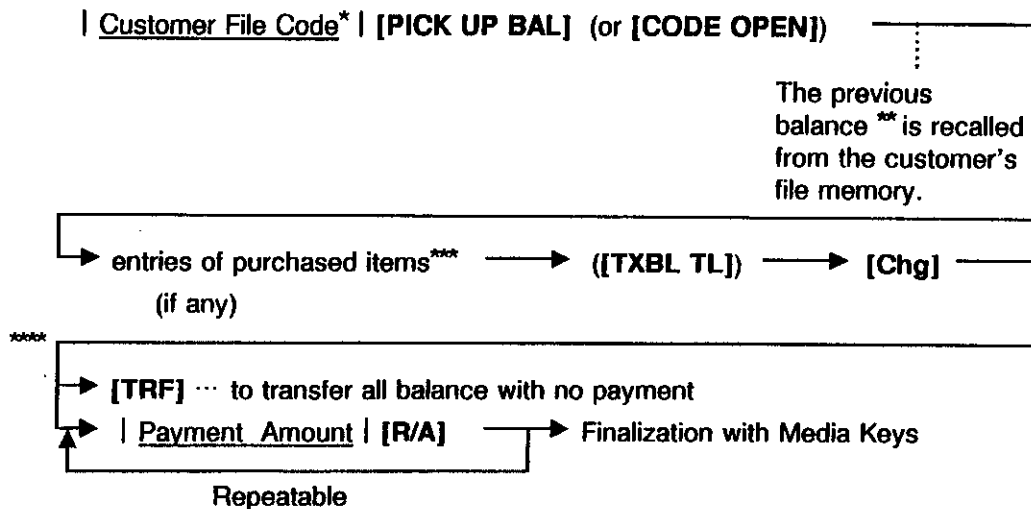
RECEIPT ISSUED IN "□" MODE

TEC STORE 1343 PEACH DRIVE PHONE: 87-6437	
Thank you Call again	
11-20-90	#3001
*REG-	*
DAIRY	\$3.50TF
HANUAL	
1.00LB@	0.75/LB
Salmon*	\$0.75TF
Kiwi Jam	\$1.90TF
TAX	\$0.47
CASH	\$6.62
ITEM	3
*REG-	*
JONES	0117 10:20TH

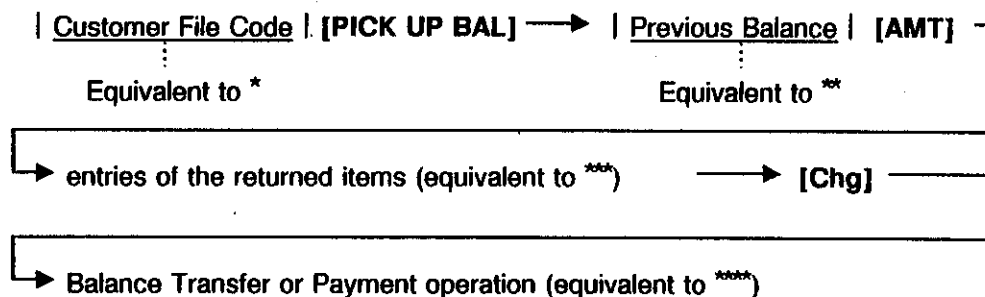
3.2 CHARGE POSTING WITH CUSTOMER FILE (CHECK TRACK MEMORY) IN "☐" MODE

When your register adopts the Customer File Memory type (instead of the PB Manual Entry type), the previous balance entry is different from that operated in the "REG" or "MGR" mode. Due to the memory process, this special operation is required. In case a customer cancels the entire sale once purchased in the charge posting mode, please be certain to operate as instructed below.

- (1) Operation In "REG" or "MGR" mode (at the purchase; refer to the OPERATOR'S GUIDE.)



- (2) Operation In "☐" mode (at the cancel or return of the above sale)



NOTE: Only the previous balance that was automatically recalled from memory in the "REG" or "MGR" mode must be entered manually through the [AMT] key in the "☐" mode. Other operations are identical to those operated in the "REG" or "MGR" mode. (Such items as % + and %- are also operated the same as entered at the time of purchase.)

-- Refer to the operation sample on the next page. --

	<u>RECEIPT AT PURCHASE</u>	<u>RECEIPT AT RETURN</u>	
Mode Lock: REG or MGR			Mode Lock: <input type="checkbox"/>
3 (Cus. File Code) [PICK UP BAL]	11-20-90 #3001	11-20-90 #3001	3 (Cus. File Code) [PICK UP BAL]
600 [DEPT 1]	#000003 \$4.59	*REG-- * #000003 \$4.59	459 [AMT]
10 [% -]	VEGETABLE \$6.00TF	VEGETABLE \$6.00TF	
	%- 10% -0.60	%- 10% -0.60	
	TAX \$0.36	TAX \$0.36	
[Chg]	Chg \$10.35	Chg \$10.35	Operated exactly the same as operated at purchase.
[TRF]	NEW BAL \$10.35	NEW BAL \$10.35	
	ITEM 1	NEW BAL \$4.59	The final new balance after correction in this operation.
	JONES 0125 10:31TH	ITEM 1	
		*REG-- *	
		JONES 0128 10:32TH	

As shown in the sample above, the previous balance \$4.59 is entered manually through the [AMT] key on the righthand side receipt, while the same previous balance is automatically recalled by merely designating the Customer File Code through the [PICK UP BAL] key on the lefthand side receipt.

The print formats in both receipts are designed to be the same from Customer File Code down to the "NEW BAL" amount (resulting balance at the time of purchase.), except that the final new balance at the time of return is additionally printed (which will be the same amount of the balance before the purchase) and the ☐ mode header is printed on the righthand side receipt.

3.3 SCALE ITEM ENTRY IN ☐ MODE

Any scale item entered in the "REG" or "MGR" mode at the time of purchase must be entered manually (Manual Scale Entry but not Auto Scale) in the ☐ mode at the time of return or cancel.

That is, for entering a scale item (once purchased) in the ☐ mode, you must read the written net weight on the item (if any) or read the net weight in the scale display panel by placing it on the scale platter, then enter the net weight value, manually in the procedure described as Manual Scale Entry operation in the OPERATOR'S GUIDE.

3.4 AMOUNT LIMIT RELEASE IN ☐ MODE

Amount limits programmed on [DOLL DISC], [VND CPN], [STR CPN], and [BTL RTN] may be released in the ☐ mode, i.e. the same handling as in the "MGR" mode.

4. READ (X) AND RESET (Z) REPORTS

The following table shows the key operation to take each report. The "X" and "Z" reports have exactly the same print content if both are available, except that:

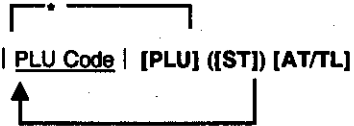
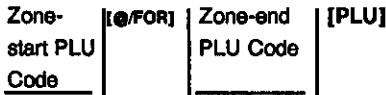
1. The "X" reports allow to read the sales data but not clear memories, while the "Z" reports allow to read the sales data and at the same time all the resettable memories will be cleared when the reports have been issued.
2. The symbol "Xnn" is printed on the top line of an "X" report, while "Znn" is printed on a "Z" report. ("nn" is the Report No.)
3. A reset count is printed on the bottom of a "Z" report only.

TABLE OF OPERATIONS FOR X AND Z REPORTS

Daily Reports (GT Lock: Neutral Position)

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
X03 Z03	FINANCIAL READ AND RESET <ul style="list-style-type: none"> • Financial Read • Financial Reset 	X Z	3 [AT/TL] (Drawer opens.)	16
X04 Z04	CASHIER READ AND RESET <ul style="list-style-type: none"> • Individual Cashier Read • Individual Cashier Reset 	X Z	With CASHIER SIGNING Method: | Cashier ID Code | [LOG] (2-digit manager-assign code) With CASHIER KEY Method: Set the Cashier Key of the required cashier, 4 [AT/TL]. (Drawer opens.)	19
X05 Z05	SALESPERSON READ AND RESET <ul style="list-style-type: none"> • All Salesperson Read • All Salesperson Reset 	X Z	5 [AT/TL]	20
X06	CREDIT CARD COMPANY SALES READ	X	6 [AT/TL]	20
X07	DEPARTMENT GROSS PROFIT READ	X	7 [AT/TL]	21
X08	DEPARTMENT GROUP READ	X	8 [AT/TL]	21
X09	MEDIA SALES AND IN- DRAWER TOTAL READ	X	9 [AT/TL] (Drawer opens.)	22
X10 Z10	HOURLY RANGE READ AND RESET <ul style="list-style-type: none"> • Hourly Read • Hourly Reset 	X Z	10 [AT/TL]	22

-- To be continued --

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
X11	DEPARTMENT READ AND RESET <ul style="list-style-type: none"> Individual Department Read 	X	Depress the required Dept Keys , one by one, [ST] may be used to obtain sub-total, [AT/TL] to end.	23
X11	<ul style="list-style-type: none"> All department Read 	X	11 [AT/TL] (Drawer opens.)	24
Z11	<ul style="list-style-type: none"> All department Reset 	Z		
X12	ALL MEDIA SALES TOTAL AND CASH-IN-DRAWER READ	X	[#] (Drawer opens)	20
X13	PLU READ AND RESET <ul style="list-style-type: none"> Individual PLU Read 	X	 <p>Repeatable * (May be replaced by [PLU Preset-code Key])</p>	26
X13	<ul style="list-style-type: none"> Zone PLU Read 	X		26
Z13	<ul style="list-style-type: none"> Zone PLU Reset 	Z		
X13	<ul style="list-style-type: none"> All PLU Read 	X		26
Z13	<ul style="list-style-type: none"> All PLU Reset 	Z	[PLU]	26
X14	PLU STOCK READ <ul style="list-style-type: none"> Individual PLU Stock 	X	[STOCK] → Indiv. PLU Read	27
	<ul style="list-style-type: none"> Zone PLU Stock 	X	[STOCK] → Zone PLU Read	27
	<ul style="list-style-type: none"> All PLU Stock 	X	[STOCK] → All PLU Read	27
X15	CUSTOMER FILE READ (for Check Track Memory type only) <ul style="list-style-type: none"> All Files 	X	[PICK UP BAL]	28
	<ul style="list-style-type: none"> Individual File 	X	[Customer File Code] [PICK UP BAL]	28
	<ul style="list-style-type: none"> Zero-balance Files 	X	0 [CODE OPEN]	28
	<ul style="list-style-type: none"> Debit-balance Files 	X	1 [CODE OPEN]	28
	<ul style="list-style-type: none"> Credit-balance Files 	X	2 [CODE OPEN]	29
X16	PLU GROUP READ AND RESET <ul style="list-style-type: none"> PLU Group Read 	X	16 [AT/TL]	29
	<ul style="list-style-type: none"> PLU Group Reset 	Z		
X20	INACTIVE PLU READ	X	0 [#] → [PLU]	29

-- To be continued --

REPORT HEADER	REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
	DEPARTMENT AND PLU ABC ANALYSIS READ			
X21	• Best Selling Departments in Quantity	X	1 [#] ( | <u>Ending Rank No.</u> | ) [AT/TL]	30
X21	• Best Selling PLUs in Quantity	X	1 [#] → ((([SHIFT])) [DEPT])→ ( | <u>Ending Rank No.</u> | ) [PLU]	30
X22	• Worst Selling Departments in Quantity	X	3 [#] ( | <u>Ending Rank No.</u> | ) [AT/TL]	31
X22	• Worst Selling PLUs in Quantity	X	3 [#] → ((([SHIFT])) [DEPT])→ ( | <u>Ending Rank No.</u> | ) [PLU]	31
X23	• Best Selling Departments in Amount	X	2 [#] ( | <u>Ending Rank No.</u> | ) [AT/TL]	30
X23	• Best Selling PLUs in Amount	X	2 [#] → ((([SHIFT])) [DEPT])→ ( | <u>Ending Rank No.</u> | ) [PLU]	30
X24	• Worst Selling Departments in Amount	X	4 [#] ( | <u>Ending Rank No.</u> | ) [AT/TL]	31
X24	• Worst Selling PLUs in Amount	X	4 [#] → ((([SHIFT])) [DEPT])→ ( | <u>Ending Rank No.</u> | ) [PLU]	31

GT Reports — to be taken on weekly or monthly basis —

(Mode Lock: any position)

REPORT HEADER	REPORT NAME	GT LOCK	KEY OPERATION	SAMPLE PAGE
	(Except the Mode Lock and GT Lock positions, the key operations for each report is the same as its corresponding daily report, except for Cashier Reports.)			32
GTX03 GTZ03	FINANCIAL GT READ AND RESET <ul style="list-style-type: none"> Financial GT Read Financial GT Reset 	GTX GTZ	3 [AT/TL] (Drawer opens)	32
GTX04 GTZ04	CASHIER GT READ AND RESET <ul style="list-style-type: none"> All Cashier GT Read All Cashier GT Reset 	GTX GTZ	4 [AT/TL] (Drawer opens)	32
GTX06	CREDIT CARD COMPANY SALES GT READ	GTX	6 [AT/TL]	32
GTX07	DEPARTMENT GROSS PROFIT GT READ	GTX	7 [AT/TL]	32
GTX08	DEPARTMENT GROUP GT READ	GTX	8 [AT/TL]	32
GTX11 GTZ11	DEPARTMENT GT READ AND RESET <ul style="list-style-type: none"> All Department GT Read All Department GT Reset 	GTX GTZ	11 [AT/TL]	32
GTX13 GTX13 GTX13 GTX13 GTX13	PLU GT READ AND RESET <ul style="list-style-type: none"> Individual PLU GT Read Zone PLU GT Read Zone PLU GT Reset All PLU GT Read All PLU GT Reset 	GTX GTX GTZ GTX GTZ	Same as its daily report Same as its daily report Same as its daily report	32
GTX20	INACTIVE PLU GT READ	GTX	Same as its daily report	32

-- To be continued --

REPORT HEADER	REPORT NAME	GT LOCK	KEY OPERATION	SAMPLE PAGE
	DEPARTMENT AND PLU ABC ANALYSIS GT READ			
GTX21	<ul style="list-style-type: none"> • Best Selling PLUs in Quantity 	GTX	Same as its daily report.	32
GTX21	<ul style="list-style-type: none"> • Best Selling PLUs in Quantity 	GTX	Same as its daily report.	
GTX22	<ul style="list-style-type: none"> • Worst Selling Departments in Quantity 	GTX	Same as its daily report.	
GTX22	<ul style="list-style-type: none"> • Worst Selling PLUs in Quantity 	GTX	Same as its daily report.	
GTX23	<ul style="list-style-type: none"> • Best Selling Departments in Amount 	GTX	Same as is daily report	
GTX23	<ul style="list-style-type: none"> • Best Selling PLUs in Amount 	GTX	Same as is daily report	
GTX24	<ul style="list-style-type: none"> • Worst Selling Departments in Amount 	GTX	Same as is daily report	
GTX24	<ul style="list-style-type: none"> • Worst Selling PLUs in Amount 	GTX	Same as is daily report	

Combination Reports

Multiple reports can be programmed to be issued in one operation sequence. The following are reports programmable for combinations (max. 5 reports in one table, max. 3 tables).

Please inquire this report programming of your TEC representative.

REPORT NO.	REPORT NAME	AVAILABLE MODE			
3	Financial Report	X,	Z,	GTX,	GTZ
4	All Cashier Report (GT only)			GTX,	GTZ
5	All Salesperson Report	X,	Z,		
6	Credit Company Sales Report	X,		GTX	
7	Department Gross Profit Report	X,		GTX	
8	Department Group Report	X,		GTX	
9	Media Sales and In-drawer Report	X,			
10	Hourly Range Report	X,	Z,		
11	All Department Report	X,	Z,	GTX,	GTZ
16	PLU Group Report	X,	Z,		

KEY OPERATION:

Mode Lock: X for Daily Read
Z for Daily Reset
GT Lock: GTX for GT Read
GTZ for GTZ Reset

[AT/TL]

Enter the Report Combination-ID No.:

None (simply depress [AT/TL]): Combination Report Table No. 1

1: Combination Report Table No. 2

2: Combination Report Table No. 3

NOTE: When the mode set for taking combination reports does not match the mode of a report contained in the table, that report will be skipped.

If no combination reports data have been programmed, Combination Report Table No. 1 (which is issued by depressing the [AT/TL] key alone) is auto-preset with Report No. 11 (All Depts) and Report 3 (Financial). It will be active as Table No. 1 content unless no data are programmed for Table No. 1.

The report output order is determined by the order programmed in each table.

The drawer will open when a contained report is ruled to open the drawer.

GENERAL NOTES ON REPORT TAKINGS

1. In the CASHIER KEY Method, no Cashier Keys are necessary to issue reports except Individual Cashier Read or Reset Reports (daily).
2. In the CASHIER SIGNING Method, the cashier signed-OFF condition is required for taking any X or Z reports. (Otherwise, an error will result when the Mode Lock is turned to the "X" or "Z" position or when the GT Lock is turned to the "GTX" or "GTZ" position.)
3. Reset reports will be printed on the receipt roll as well as on journal, and issued, regardless of the [RECEIPT ON/OFF] switch position.
4. The [ITEM CORR] key may be depressed halfway during printing a report, for the purpose to abort the receipt issuance (except for some short reports). When a report-abort has been operated for a reset report, the memory of the report data will not be cleared.
5. The drawer will open at the starting of printing the reports which are stated with "(Drawer opens)" in the Daily and GT report table. However, the drawer may remain closed if so selected by a program option.
6. The sales data of the following read reports will be cleared when the relevant reset reports are cleared. If those read reports are necessary, please be certain to take them before the relevant reset reports are taken:

FINANCIAL READ AND RESET

TEC STORE		Mode Lock: X for read	] Enter 3, depress [AT/TL]
1343 PEACH DRIVE		Mode Lock: Z for reset	
PHONE: 87-6437			
Thank you			
Call again			
11-20-90 #3001			
X03			
GT		Grand Total	
	\$437.18		
NET GT		Net GT	
	\$385.19		
TRAINING		Training Mode Gross Sale	
	\$4.03		
GS	283	Gross Sale Item Count	
	\$437.18	" " Amount	
Z+	1	Percent Charge Count (on Subtotal and Line Items)	
	\$0.62	" " Amount	
TAX1	\$18.20	Tax 1 Amount	
TAX2	\$6.08	Tax 2 Amount	
TAX3	\$0.00	Tax 3 Amount	
TAX4	\$1.30	Manual Tax Amount	
NS	271	Net Sale With Tax	
	\$389.37	Item Count, Amount	
Z-	1	Percent Discount Count	] on Subtotal
	\$0.18	" " Amount	
V.CPN	2	Vendor Coupon Count	
	\$6.00	" " Amount	
DISC	2	Dollar Discount Count	] on Subtotal
	\$2.00	" " Amount	
BTR	1	Bottle Return Item Count	
	\$1.00	" " Amount	
TOTAL	57CU	All-media Sales Customer Count/Amount	
	\$385.19		
CASH	27CU	Cash Sales Customer Count/Amount	
	\$155.31		
CHECK	3CU	Check Sales Customer Count/Amount	
	\$31.50		

-- To be continued --

FINANCIAL READ AND RESET

-- Continued --

Chg	17CU	Charge Sales Customer Count/Amount
	\$129.93	
MISC	1CU	Misc. Sales Customer Count/Amount
	\$12.16	
CPN	0CU	Media-Coupon Sales Customer Count/Amount
	\$3.00	
FS TL	2CU	Food Stamp Sales Customer Count/Amount
	\$32.60	
R/A	2	Received-on-Account Count
	\$13.00	" Amount
PO	2	Paid-Out Count
	\$5.00	" Amount
LOAN	\$50.00	Loan Amount
PICK UP	2	
	\$50.50	Pick Up Amount
CASH ID	\$130.25	Cash-in-drawer Amount
CHECK ID	6	Check-in-drawer Count
	\$53.00	" Amount
MISC ID	2	Misc-in-drawer Count
	\$15.00	" Amount
CPN ID	1	Media-Coupon-in-drawer Count
	\$3.00	" Amount
FSID	4	Food Stamp-in-drawer Count
	\$35.00	" " Amount
FS CG	\$2.40	Food Stamp Change Amount
CORR	1	Item Correct Count
	\$2.50	" " Amount
VOID	2	Void Count
	\$22.00	" Amount
MISC VD	0	Misc. Void Count
	\$0.00	" Amount
ALL VD	1	All Void Count
	\$5.90	" Amount
%-	2	Percent Discount Count
	\$0.85	" " Amount
S.CPN	1	Store Coupon Item Count
	\$2.00	" " Amount
RTN	1	Returned Merchandise Item Count
	\$1.50	" " Amount
-TAX	\$0.08	Negative Tax Amount
REG-	2	Negative Mode (E) Count
	\$12.98	Total Amount

-- To be continued --

FINANCIAL READ AND RESET

-- Continued --

TRF TL	\$5.85	Transfer GT Balance (non-resettable)
TRF+ GT	\$5.85	Transfer + GT (non-resettable)
TRF- GT	\$0.00	Transfer - GT (non-resettable)
TRF+	\$5.85	Transfer + Daily
TRF-	\$0.00	Transfer - Daily
PB TL	7CU	Previous Balance Sales Customer Count/Amount
	\$20.69	
PB R/A	\$17.72	Previous Balance Payments Amount Received
PB PD	\$2.88	Previous Balance Refunded to Customers
TXBL1	\$302.52	Taxable Total 1 (Sale Amount Portion subject to Tax 1 taxation)
TXBL2	\$120.40	
TXBL3	\$0.00	
SI1 TL	1	Selective Itemizer 1 Count
	\$0.18	" " Amount
TAX EX	1CU	Tax Exempted Customer Count
TAX1EX	\$7.20	Sale Portion subject to Tax 1 Exemption
TAX2EX	\$0.00	
TAX3EX	\$0.00	
CUR1	1	Foreign Currency 1 -in-drawer Count
	50.00	" " Amount
CUR2	1	
	20.00	
CUR3	0	
	0.00	
ITEM/CUS	4.75	Sales Item Count per Customer
NS /CUS	\$6.83	Net Sale Amount per Customer
NO SALE	1	No-sale Count
VALI CTR	7	Validation Count
0156 20:30TM		

CASHIER READ AND RESET**TEC STORE**

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X04

01 JONES

GS

283

\$437.18

TAX

\$25.58

NS

271

\$389.37

V.CPN

2

\$6.00

TOTAL

57CU

\$385.19

R/A

2

\$13.00

PO

2

\$5.00

LOAN

\$50.00

PICK UP

2

\$50.50

CASH ID

\$130.25

CHECK ID

6

\$53.00

MISC ID

2

\$15.00

CPN ID

1

\$3.00

FSID

4

\$35.00

NEG1

\$47.81

NEG2

\$3.18

CUR1

1

50.00

CUR2

1

20.00

CUR3

0

0.00

ITEM/CUS

4.75

NS /CUS

\$6.83

NO SALE

1

0157 20:37TM

Mode Lock : X for read

Mode Lock : Z for reset

CASHIER SIGNING Method:Enter the 2-digit Cashier ID Code,
(manager-assigned portion), depress
[LOG].**CASHIER KEY Method:**Set the Cashier Key of the required
cashier, 4 **[AT/TL]**.

Cashier ID Code, Cashier's Name

Gross Sale Item Count

" " Amount

Tax Amount

Net Sale With Tax Item Count

" " " Amount

Vendor Coupon Count

" " Amount

All-media Sales Customer Count/Amount

Received-on-Account Count

" Amount

Paid-Out Count

" Amount

Loan Amount

Pick Up Amount

Cash-in-drawer Amount

Check-in-drawer Count

" Amount

Misc-in-drawer Count

" Amount

Media-Coupon-in-drawer Count

" Amount

Food Stamp-in-drawer Count

" Amount

Negative Data 1

Negative Data 2

Foreign Currency 1-in-drawer Count

" " " Amount

Sales Item Count per Customer

Net Sale Amount per Customer

No-sale Count

SALESPERSON READ AND RESET

Mode Lock: X for read
 Mode Lock: Z for reset] 5 [AT/TL]

TEC STORE
 1343 PEACH DRIVE
 PHONE: 87-6437

Thank you
 Call again

11-20-90 #3001

X05

01 White	
NS	9
	\$6.06
02 Stacy	
NS	2
	\$2.85
03 Mehl	
NS	2
	\$5.30

0159 20:46TM

Salesperson Code, Name

Net Sale With Tax

Item Count, Amount

CREDIT CARD COMPANY SALES READ

Mode Lock: X , 6 [AT/TL]

TEC STORE
 1343 PEACH DRIVE
 PHONE: 87-6437

Thank you
 Call again

11-20-90 #3001

X06

01 ABC	1
	\$10.38
02 LMN	1
	\$8.45
03 OPQ	1
	\$5.80
04 XYZ	1
	\$5.33

0160 20:47TM

Individual

Company Code, Name

Sales Count, Sales Amount

ALL MEDIA SALES TOTAL AND CASH-IN-DRAWER READ

Mode Lock: X , [#]

TEC STORE
 1343 PEACH DRIVE
 PHONE: 87-6437

Thank you
 Call again

11-20-90 #3001

X12

TOTAL	57CU
	\$385.19
CASH ID	\$130.25

0161 20:48TM

All-media Sales

Cus. Count/Amount

Cash-in-drawer Amount

DEPARTMENT GROSS PROFIT READ

Mode Lock: X , 7 [AT/TL]

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X07

MEAT		
20%	\$18.40	
DRINK		
15%	\$9.81	
BAKERY		
22%	\$7.38	
BTL FOOD		
12%	\$3.87	
FRUIT		
12%	\$3.49	
FISH		
15%	\$2.85	
VEGETABLE		
10%	\$2.51	
DAIRY		
8%	\$2.46	
CAN FOOD		
18%	\$2.34	
SNACK		
8%	\$0.68	
SPICE		
11%	\$0.66	
OP 14		
8%	\$0.28	
TOTAL		
15.07%	\$54.73	
0162 20:49TM		

Gross Profit Rate,
AmountAverage Gross Profit Rate,
Total Gross Profit Amount

DEPARTMENT GROUP READ

Mode Lock: X , 8 [AT/TL]

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X08

VE & FR	82	
14.74%	\$54.26	
ME & FI	17	
30.15%	\$111.02	
DAIRY	18	
8.37%	\$30.80	
BAKERY	25	
9.12%	\$33.59	
CA & BT	30	
12.30%	\$45.30	
DRINK	89	
19.07%	\$70.20	
SN & SP	9	
3.94%	\$14.50	
OTHERS	1	
2.31%	\$8.50	
TOTAL	271	
	\$368.17	
0163 20:51TM		

Group Name, Item Count
Sales Ratio, Amount

Total Count, Amount

**MEDIA SALES AND IN-DRAWER
TOTAL READ**

Mode Lock: X , 9 [AT/TL]

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X09

TOTAL	57CU
	\$385.19
CASH	27CU
	\$155.31
CHECK	3CU
	\$31.50
Chg	17CU
	\$129.93
MISC	1CU
	\$12.16
CPN	0CU
	\$3.00
FS TL	2CU
	\$32.60
CASH ID	\$130.25
CHECK ID	6
	\$53.00
MISC ID	2
	\$15.00
CPN ID	1
	\$3.00
FSID	4
	\$35.00
FS CG	\$2.40
PB TL	7CU
	\$20.69
CUR1	1
	50.00
CUR2	1
	20.00
CUR3	0
	0.00

0164 20:52TM

HOURLY RANGE READ AND RESET

 Mode Lock: X for read
 Mode Lock: Z for reset ☐ 10 [AT/TL]

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X10

08:00TM	52
10CU	\$87.00
12:00TM	34
12CU	\$45.58
15:00TM	185
35CU	\$256.79
19:00TM	

0165 20:53TM

Up to 8:00

No sales data is recorded.

8:00 to 12:00

Customer Count, Sales Amount

12:00 to 15:00

Customer Count, Sales Amount

15:00 to 19:00

Customer Count, Sales Amount

19:00 to 24:00

No. sales data is recorded.

All-media Sales

Cus. Count, Amount

Cash Sales Cus. Count,

Amount

Check Sales Cus. Count,

Amount

Charge Sales Cus. Count,

Amount

Misc Sales Cus. Count,

Amount

Media-Coupon Sales

Cus. Count, Amount

Food Stamp Sales

Cus. Count, Amount

Cash-in-drawer Amount

Check-in-drawer Count,

Amount

Misc-in-drawer Count,

Amount

Media-Coupon-in-drawer Count,

Amount

Food Stamp-in-drawer Count,

Amount

Food Stamp Change Amount

Previous Balance Sales Customer Count/Amount

Foreign Currency 1-in-drawer Count

" " " Amount

DEPARTMENT READ AND RESET

Individual Department Read

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X

VEGETABLE	36
8CU	\$25.14
MEAT	9
10CU	\$92.02
DAIRY	18
14CU	\$30.80

TOTAL	63
	\$147.96

0168 20:56TH

Mode Lock: X

Depress the required Dept Keys, one by one,
[ST] may be used to obtain sub-total, [AT/TL] to
end.

Department Name, Item Count

Customer Count, Amount

Total Count

Amount

All Department Read and Reset

Mode Lock: X for read
 Mode Lock: Z for reset] 11 [AT/TL]

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X 1 1

VEGETABLE	36
8CU	\$25.14
FRUIT	46
10CU	\$29.12
MEAT	9
10CU	\$92.02
FISH	8
8CU	\$19.00
DAIRY	18
14CU	\$30.80
BAKERY	25
15CU	\$33.59
CAN FOOD	14
3CU	\$13.00
BTL FOOD	16
10CU	\$32.30
DRINK	59
25CU	\$65.40
BTL DEFO	30
16CU	\$4.80
SNACK	6
6CU	\$8.50
SPICE	3
3CU	\$6.00
DP 13	1
1CU	\$5.00
DP 14	1
1CU	\$3.50
DP 15	0
0CU	\$0.00

Department Name, Item Count
 Customer Count, Amount

TOTAL	271
	\$363.17
-TOTAL	0
	\$0.00

Item Count	] of all the departments total
Amount	
Item Count	] of all the negative departments total
Amount	

VE & FR	82	Group Name, Item Count,
14.74%	\$54.26	Sales Ratio, Amount
ME & FI	17	
30.15%	\$111.02	
DAIRY	18	
8.37%	\$30.80	
BAKERY	25	
9.12%	\$33.59	
CA & BT	30	
12.30%	\$45.30	
DRINK	89	
19.07%	\$70.20	
SN & SP	9	
3.94%	\$14.50	
OTHERS	1	
2.31%	\$8.50	
TOTAL	271	Total Count, Amount
	\$368.17	
MEAT		
20%	\$18.40	Gross Profit Rate,
DRINK		Amount
15%	\$9.81	
BAKERY		
22%	\$7.38	
BTL FOOD		
12%	\$3.87	
FRUIT		
12%	\$3.49	
FISH		
15%	\$2.85	
VEGETABLE		
10%	\$2.51	
DAIRY		
8%	\$2.46	
CAN FOOD		
18%	\$2.34	
SNACK		
8%	\$0.68	
SPICE		
11%	\$0.66	
DP-14		
8%	\$0.28	
TOTAL		Average Gross Profit Rate,
15.07%	\$54.73	Total Gross Profit Amount
0176 21:09TH		

PLU READ AND RESET**All PLU Read and Reset**

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X13

0003 Tomato		
18	\$3.00	
0005 Potato		
14	\$1.75	
0012 Orange		
31	\$5.82	
0020 Lemon		
6	\$0.80	
0033 Beef		
10.00%	\$25.00	
0037 Pork		
18.00%	\$36.00	

0157 Coke Small-B

18	\$10.80
----	---------

0163 7-up Small-B

8	\$4.80
---	--------

0170 Small-B Depo

26	\$1.30
----	--------

0175 Potato Chips

4	\$6.00
---	--------

0185 Budweiser

13	\$19.50
----	---------

0187 Guinness

8	\$12.00
---	---------

0190 Apple Pie

7	\$7.00
---	--------

TOTAL 217
\$216.77

0177 21:11TH

Mode Lock : X
for read, or
Mode Lock : Z
for reset
[PLU]

PLU Code, Name
Item Count, Amount

Zone PLU Read and Reset

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X13

0001-0015

0003 Tomato		
18	\$3.00	
0005 Potato		
14	\$1.75	
0012 Orange		
31	\$5.82	
TOTAL	63	\$10.57

0179 21:14TH

Mode Lock : X
for read, or
Mode Lock : Z
for reset

Zone-start
PLU Code [@/FOR]

Zone-end
PLU Code [PLU]

Zone-start PLU Code
~ Zone-end PLU Code

Individual PLU Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X13

0187 Guinness

8	\$12.00
---	---------

TOTAL 8
\$12.00

0180 21:15TH

Mode Lock : X

PLU Code [PLU] ((ST)) [AT/TL]

Repeatable

* (May be replaced by
[PLU Preset-code Key])

PLU STOCK READ

All PLU Stock Read

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X14

0121 Tuna Can
50 710125 Soup Can
0 320133 Plum Jam
0 950141 Kiwi Jam
0 450150 Pickles
0 590157 Coke Small-B
0 700163 7-up Small-B
0 500175 Potato Chips
0 960183 Nutmeg
0 1200185 Budweiser
0 420187 Guinness
0 25

0185 21:23TM

Mode Lock : X
[STOCK]
[PLU]PLU Code, PLU Name
Stock Minimum, Stock Q'ty

Zone PLU Stock Read

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X14

0120~0150

0121 Tuna Can
50 710125 Soup Can
0 320133 Plum Jam
0 950141 Kiwi Jam
0 450150 Pickles
0 59

0186 21:25TM

Mode Lock : X
[STOCK]Zone-start
PLU Code [@/FOR]Zone-end
PLU Code [PLU]Zone-start PLU Code~
Zone-end PLU Code

Individual PLU Stock Read

TEC STORE

1343 PEACH DRIVE

PHONE: 87-6437

Thank you

Call again

11-20-90 #3001

X14

0185 Budweiser
0 42

0187 21:27TM

Mode Lock : X
[STOCK]

PLU Code [PLU] ([ST]) [AT/TL]

Repeatable

* (May be replaced by
[PLU Preset-code Key])

CUSTOMER FILE READ (for Check Track Memory type only)**All Files Read**

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X15

#000001	\$5.26
#000003	\$4.59
#000324	\$0.00
#001031	\$0.00

0190 21:29TM

Mode Lock: X
[PICK UP BAL]

File Code, Balance

Zero-balance Files Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X15

#000324	\$0.00
#001031	\$0.00

0191 21:30TM

Mode Lock: X
0 [CODE OPEN]

File Code, Balance

Individual File Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X15

#000003	\$4.59
---------	--------

0192 21:31TM

Mode Lock: X
1 File Code 1

[PICK UP BAL]

File Code, Balance

Debit-balance Files Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X15

#000001	\$5.26
#000003	\$4.59

0193 21:31TM

Mode Lock: X
1 [CODE OPEN]

File Code, Balance

Credit-balance Files Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X15

0195 21:32TM

Mode Lock: X
2 [CODE OPEN]

In this case, no
credit-balance files exist.

PLU GROUP READ AND RESET

Mode Lock: X for read
Mode Lock: Z for reset

16 [AT/TL]

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X16

PERISHAS	75	
37.54%		\$81.37
DAIRY 1	9	
2.91%		\$6.30
DAIRY 2	7	
8.53%		\$18.50
PASTRY	11	
5.44%		\$11.80
TABLE BR	11	
4.98%		\$10.80
JAM	10	
8.53%		\$18.50
CA-ATE D	52	
7.80%		\$16.90
FRUIT D	8	
2.21%		\$4.80
BEER	21	
14.53%		\$31.50
OTHERS	19	
7.52%		\$16.30
TOTAL	223	
		\$216.77

0196 21:33TM

Group Name, Item Count,
Sales Ratio, Amount

Total Count
Amount

Inactive PLU Read

TEC STORE
1343 PEACH DRIVE
PHONE: 87-6437

Thank you
Call again

11-20-90 #3001

X20

#0
0125 Soup Can
0183 Nutmeg

0194 21:32TM

Mode Lock: X
0 [#] → [PLU]

PLU Code
PLU Name

DEPARTMENT AND PLU ABC ANALYSIS READ (Read only)
(In the following samples, Rank No.3 are designated.)

Best Selling in Quantity

11-20-90 #3001		Departments
X2 1		
#1		
Item Name	DRINK	
Rank No.	1	59
	25CU	\$65.40
	FRUIT	
	2	46
	10CU	\$29.12
	VEGETABLE	
	3	36
	8CU	\$25.14
	TOTAL	141
	32.95%	\$119.66
	0197 21:37TM	

Worst Selling In Quantity

Worst Selling In Amount

11-20-90 #3001	
X22	
#3	
DP 14	
1	1
1CU	\$3.50
SPICE	
2	3
3CU	\$6.00
SNACK	
3	6
6CU	\$8.50
TOTAL	10
4.96%	\$18.00
0201 21:43TM	

Departments

11-20-90 #3001	
X24	
#4	
DP 14	
1	1
1CU	\$3.50
BTL DEPO	
2	30
16CU	\$4.80
SPICE	
3	3
3CU	\$6.00
TOTAL	34
3.94%	\$14.30
0203 21:46TM	

Departments

11-20-90 #3001	
X22	
#3	
Milk-Large	
1	3
	\$3.90
Eggs-6 Pack	
2	3
	\$8.50
Cheese	
3	4
	\$10.00
TOTAL	10
15.26%	\$22.40
0202 21:45TM	

PLUs

11-20-90 #3001	
X24	
#4	
Lemon	
1	6
	\$0.80
Small-B Depo	
2	26
	\$1.30
Potato	
3	14
	\$1.75
TOTAL	46
1.78%	\$3.85
0204 21:47TM	

PLUs

NOTE:

In Worst Selling reports, departments or PLUs with sales data zero or negative are excluded.

GT REPORTS

As for GT reports, refer to the TABLE OF OPERATIONS FOR X AND Z REPORTS, GT Reports.

In GT reports, the contents and print formats are the same as their corresponding daily reports, except that:

- "GT" is added to the report header:
Example: "X11" → "GTX11"
- In some GT reports, some total memories are not provided.

Please determine the timing of each GT reset report takings. If the store wants, for example, a monthly data report, operate the required GTZ report once a month on a certain data designated by the store, while GTX reports for the same data may be taken any number of times.

5.PROGRAMMING OPERATIONS

This chapter is provided for the store programmer or the store manager who may have to change the programmed data of the MA-1700A series ECR on a daily, weekly, or monthly basis. Usually, all the basic program data required for your store should be set before delivering the product by your local TEC representative. However, to change or add program data, please refer to this chapter.

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BASIC KEY FUNCTIONS AND KEYBOARD VARIATIONS IN PROGRAMMING OPERATIONS

Basic Key Functions

1. The following are main keys and their functions to be used in programming operations:

[X] or **[@/FOR]** . . . Used to enter the program Submode No.

[ST] Used to enter the Address No. or Item Code. Also used to end the item data entries.

[#] Used to enter data for the address or item. Each character code is also entered through this key.

[AT/TL] Used to end the entire program Submode sequence.

2. Functions of the **[C]** key:

- When an entered program data is already printed, the **[C]** key cannot clear it any longer. To correct the data, re-enter it.
- Before the entered data is printed, the data may be cleared by the **[C]** key.

Keyboard Variations In Programming operations

The MA-1700 provides several keyboards for programming operations. Depending on which keyboard is used, the key layout and the character entry method will vary.

Case 1: When the ECR Keyboard is Ordinary Keyboard Type :

- 1-1. When the Ordinary Keyboard alone is used for programming, follow the instructions as they are described in this manual. For character settings, use the CHARACTER CODE TABLES (later stated). None of the DIRECT CHARACTER ENTRY methods are possible.

- 1-2. When the Programming Keyboard TKB-1 (hardware option) is connected:

- 1) Character Keys provided on the TKB-1 keyboard may be used to directly enter the characters. (DIRECT CHARACTER ENTRY method). Any characters not provided on the TKB-1 keyboard (and those provided as well) may be entered through the Numeric Keys and the **[#]** key on the ECR keyboard, referring to the CHARACTER CODE TABLES.
- 2) Basic Function Keys (**[C]**, **[@/FOR]** (= **[X]**), **[ST]**, **[AT/TL]**) may be depressed either on the TKB-1 or the ECR keyboard. If any other keys not provided on the TKB-1 are required in programming operates, operate them on the ECR keyboard (such as Department Keys, **[PLU]**, etc.).

1-3. When the PLU Keyboard PK-2 (hardware option) is connected:

- 1) Character Keys provided on the PK-2 Character Setting Sheet may be used to directly enter the characters (DIRECT CHARACTER ENTRY method). Any characters not provided there (and those provided as well) may be entered, in the CHARACTER CODE ENTRY method, through the Numeric Keys and the [#] key on the ECR keyboard.
- 2) All function keys ([C], [@/FOR], [ST], [AT/TL], etc.) must be operated on the ECR keyboard.
- 3) In the following operations, however, the Character Setting Sheet should be removed and the keys on the PK-2 are used as PLU Preset-code Keys:
 - PLU PRESET-CODE KEY SETTING (Submode 27)
 - PLU PRESET PRICE CHANGING (no submode) ... (This may be operated on the ECR Keyboard as well.)

Case 2: When the ECR Keyboard is Flat Keyboard Type :

The Flat keyboard will be set with the "Setting Mode Key Layout" in the programming operations including the character entries. On this keyboard, functions and locations of keys required in various programming operations are fixed. Most characters may also be entered directly through this keyboard. The Character Code Entry method is also allowed.

The following operations may be executed with the "Setting Mode Key Layout".

- STORE NAME/MESSAGE AND COMMERCIAL MESSAGE PROGRAMMING (Submode 1)
- CASHIER CODE AND NAME PROGRAMMING (Submode 2)
- DEPARTMENT TABLE PROGRAMMING (Submode 3)
- PLU TABLE PROGRAMMING (Submode 4)
- SALESPERSON CODE AND NAME PROGRAMMING (Submode 20)

NOTE : The TKB-1 is not connectable to an ECR with Flat Keyboard.

CHARACTER ENTRIES

As already stated, there are two methods of operations for character settings for names or messages: CHARACTER CODE ENTRY Method and DIRECT CHARACTER ENTRY Method.

CHARACTER CODE ENTRY Method

This method is to set a character by entering a Character Code and depressing the [#] key. This method is allowed in all cases, but is operated only on the ECR Keyboard (Ordinary Type or Flat Type).

DIRECT CHARACTER ENTRY Method

This method is to set a character by directly depressing the Character Key on any of the following keyboard:

- Flat Keyboard (ECR Keyboard Flat Type) with "Setting Mode Key Layout" sheet (refer to Case 2)
- TKB-1 Keyboard (Programming Keyboard; hardware option)
- PK-2 Keyboard (PLU Keyboard; hardware option)


By using those character keys, the characters are directly entered. In this manual, sample operations are attached to most of the programming operations. And at name or message programming portions, characters are entered by the CHARACTER CODE ENTRY method. Instead of this, you may depress the Character Keys. For example, instead of entering 401 [#] (to enter character "A"), you may simply depress Character Key "A" on any of the above keyboards.

On the following pages, Character Code Tables under the CHARACTER CODE ENTRY Method and two different keyboards under the DIRECT CHARACTER ENTRY Method are shown. These pages are to be referred to, every time the "Character Entries" sequence is contained in various programming operations in this manual.

Read through these pages at least once first, so that you may know the appropriate method of character entries using the ECR keyboard and/or option keyboards.

Character Code Entry Method

Character Code Table

COL/ ROW	2	3	4	5	6	7	8	9	10	11	12	13	14	15
00		0	@	P	`	p	Ä	ú		-	タ	ミ	日	φ
01	|	1	A	Q	a	q	Ö	ß	。	ア	チ	ム	-	二
02	"	2	B	R	b	r	Ü	æ	「	イ	ツ	メ	★	三
03	#	3	C	S	c	s	ä	œ	」	ウ	テ	モ	◇	四
04	\$	4	D	T	d	t	ö	Æ	,	エ	ト	ヤ	kg	五
05	%	5	E	U	e	u	ü	Œ	+	オ	ナ	ユ		六
06	&	6	F	V	f	v	ç	¢	ヲ	カ	ニ	ヨ	L _b	七
07	'	7	G	W	g	w	é	£	ア	キ	ヌ	ラ	II	八
08	(	8	H	X	h	x	è	Σ	イ	ク	ネ	リ	III	九
09	)	9	I	Y	i	y	â	÷	ウ	ケ	ノ	ル	IV	十
10	x	:	J	Z	j	z	ê	→	エ	コ	ハ	レ	VI	No.
11	+	;	K	[	k	{	Ñ	←	オ	サ	ヒ	ロ	VII	Å
12	,	<	L	¥	l	|	ñ	↓	ヤ	シ	フ	ワ	IX	â
13	-	=	U	]	m	}	á	↑	ユ	ス	ヘ	ン	II	D
14	.	>	N	^	n	~	ó	½	ヨ	セ	ホ	"	III	ð
15	/	?	O	_	o	□	í	¼	ツ	ソ	マ	°	-	

Character Setting Operations :

- To set a regular-sized character, enter the COL code and then the ROW code, followed by the [#] key.

ex.) To set "%", enter 205, and depress [#].

To access "kg", enter 1404, and depress [#].

- To set a space of regular-sized width, simply depress [#] without a prior code entry, or enter 200 and depress [#].
- Depress the [@/FOR] key once prior to a regular-sized character entry, and it will be a double-sized character.

ex.) To set "GROUP", "G" in double-sized, and "ROUP" in regular-sized:

[@/FOR] 407 [#] 502 [#] 415 [#] 505 [#] 500 [#]

G R O U P

- Depress **[@/FOR]** key twice prior to all the character code entries to set the entire message line or entire name with all double-sized characters.

ex.) To set **"GROUP"** all in double-sized:

[@/FOR] [@/FOR] 407 [#] 502 [#] 415 [#] 505 [#] 500 [#]

G R O U P

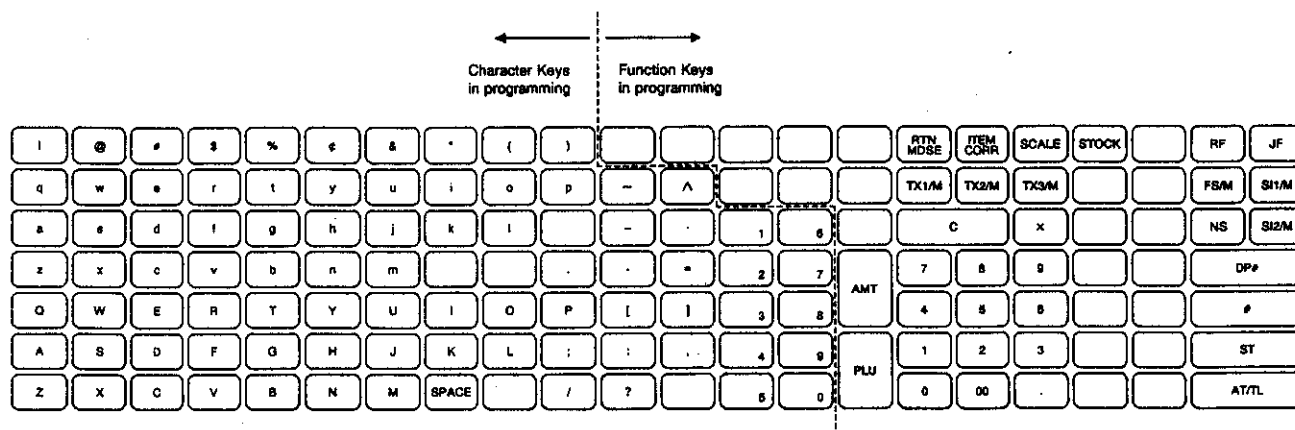
All Double-sized Declaration

Direct Character Entry Method

Using Flat Keyboard (installed as the ECR Main Keyboard):

-- Setting Mode Key Layout --

(Use the special sheet for this purpose and insert it between the film layers covering the Flat Keyboard. This key layout is applicable to only certain submodes.)



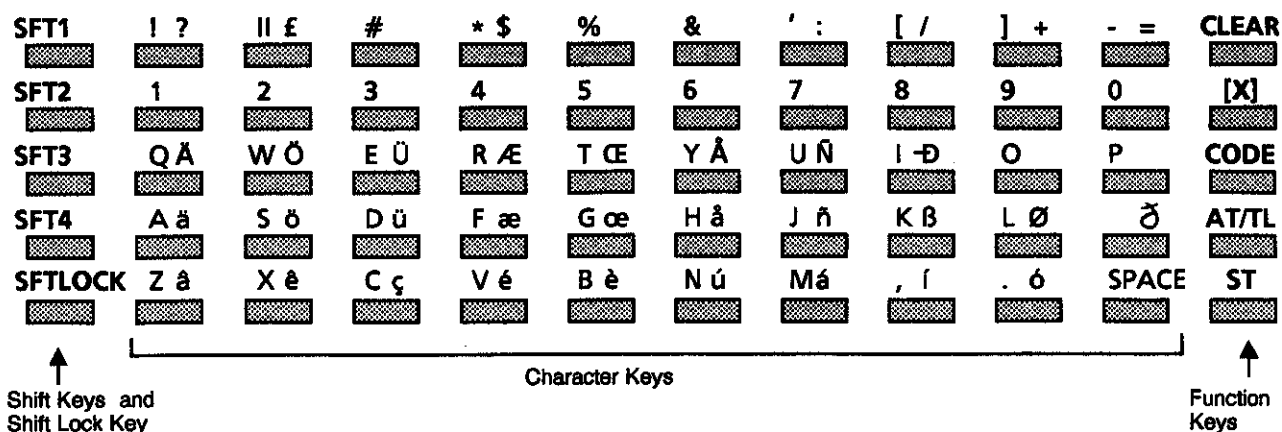
Character Keys: Simply depress the key to enter the character. (The [#] key should not be followed.) The numerics 1 to 0 as the portion of character keys are entered as characters 1 to 0 but not as codes for Department Codes, PLU Codes, etc.

The One Double-sized Declaration (by depressing [X] (= [@/FOR] once prior to the required character) and the All Double-sized Declaration (by depressing [X] twice before all the characters) are the same as in the CHARACTER CODE ENTRY method.

Function Keys: These are function keys to be used in programming operations with the Setting Mode Key Layout. The Numeric Keys here are used to enter Department Codes, PLU Codes, etc. or numeric values as program data, but not to enter the numerics as characters.

(Also refer to "Case 2 : When the ECR Keyboard is Flat Keyboard Type" already stated.)

Using TKB-1 (Programming Keyboard; hardware option)



Shift Keys (1 to 4), Shift Lock Key

Used to designate the shift of the character keys. Each character has three different characters, each of which is designated by the Shift Key 1 to Shift Key 3. (The Shift Key 4 is not used for the MA-1700 series models.)

Shift Key 2 and Shift Key 3 are effective for one following character only. After that, the Shift 1 mode is automatically regained.

Character Keys

Used to enter alpha/numerics as characters. In setting a name or message, simply depress the corresponding character key here, instead of a character code and the [#] key combination on the ECR keyboard.

ex.)

A ä

"A" is entered in the Shift 1 mode.

Operate: ([SFT1]) → [A ä]

"a" is entered in the Shift 2 mode.

Operate: [SFT2] → [A ä]

"ä" is entered in the Shift 3 mode.

Operate: [SFT3] → [A ä]

The numeric keys [1] through [0] (on the second row from the top) are used as character keys (i. e. the entered number will be part of the name or message to be printed), and also used together with the [CODE] key to enter Department/PLU codes, etc.

Each of the numeric keys is available only in Shift 1 or 2 mode.

Function Keys

Except the **[CODE]** key, each of the function keys corresponds to the identical key installed on the ECR keyboard as to the function in programming operations. (**[CLEAR]** = **[C]**)

The **[CODE]** key is provided to enter the following codes.

- Department/PLU codes
- Line number for Store Name/Message and Commercial Message Programming (Submode 1)
- Cashier code for Cashier Code and Name Programming (Submode 2)
- Salesperson code for Salesperson Code and Name Programming (Submode 20)

Operation Examples

To set the Item name "COFFEE" for Dept. 2:

ON ECR KEYBOARD ONLY

3 **[@/FOR]** **[DEPT 2]** 403 **[#]** 415 **[#]** 406**[#]** 406**[#]** 405**[#]** 405**[#]**
 C O F F E E
 [ST] **[AT/TL]**

ON TKB-1 KEYBOARD ONLY

3 **[X]** 2 **[CODE]** COFFEE **[ST]** **[AT/TL]**

USING ECR AND TKB-1 KEYBOARD TOGETHER

3 **[@/FOR]** **[DEPT2]** C O F F E **[ST]** **[AT/TL]**
 on ECR on TKB-1 on ECR

(**[@/FOR]**, **[ST]**, and **[AT/TL]** may be operated on ECR or on TKB-1. Code entries such as "3" in the above example must be entered on ECR.)

The "One Double-size Declaration" (by depression **[X]** once prior to the required character) and the "All Double-size Declaration" (by depressing **[X]** twice before the entire descriptor) are the same as in setting characters on the ECR keyboard.

NOTE : When the code or the line No. is entered with the **[CODE]** key on the TKB-1, refer to the followings.

- When programmed the sequential codes, the code designation can be skipped.
 ex.) 1 **[CODE]** ABCD **[ST]**
 (2 **[CODE]**) 1234 **[ST]**
 (3 **[CODE]**) EFGH **[ST]**
- When programmed the codes individually, the code designation and the depression of the **[C]** key are necessary.
 ex.) 1 **[CODE]** ABCD **[ST]** **[C]**
 3 **[CODE]** EFGH **[ST]**

Using PK-2 (PLU Keyboard; hardware option):

The PK-2 (hardware option PLU Keyboard) is used to enter the required PLU code by simply depressing the PLU Preset-code Key on the PK-2 keyboard in the "REG", "MGR", or "□" mode. In addition, the PK-2 can be used to enter characters directly during the programming operations that require character settings, such as STORE NAME/MESSAGE AND COMMERCIAL MESSAGE PROGRAMMING, DEPARTMENT TABLE PROGRAMMING OR CHANGING, etc.

The figure below shows the key indications of the PK-2 keyboard. (A sheet of these character indications is attached to the PK-2 unit. Insert it between the film layers that cover the PK-2 keyboard for using the keyboard for this purpose.)

Instead of entering a 3- or 4-digit character code and depressing the [#] key on the ECR keyboard, a simple depression of the appropriate key on the PK-2 keyboard will be the character entry.

Unlike the TKB-1, all the function keys, such as [X] (= [@/FOR]), [ST], [#], [AT/TL], etc. must be operated on the ECR side. Any characters not listed on the inserted sheet may be entered by the CHARACTER CODE ENTRY method on the ECR keyboard (the characters even listed on the inserted sheet may be entered as well by that method.)

Please note also that the keys "0" to "9" in the figure below function as character keys but do not function for code entries. Any code entries, for Department Codes, PLU Codes, Address Nos, etc. must be entered through the Numeric Keys on the ECR keyboard.

The One Double-sized Declaration (by depressing [@/FOR] once prior to the required character) and the All Double-sized Declaration (by depressing [@/FOR] twice before all the characters are the same as in the CHARACTER CODE ENTRY method.

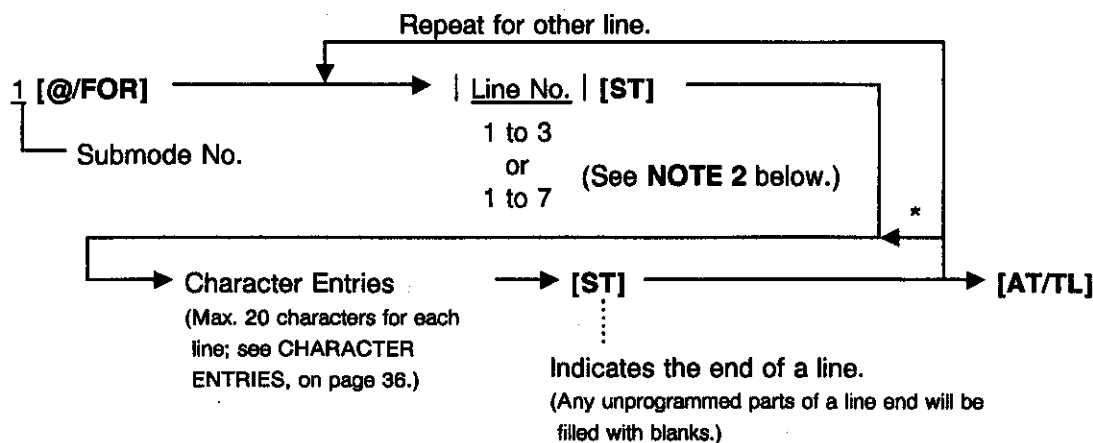
PK-2 KEYBOARD WITH CHARACTER-SHEET INSERTED

1	11	21	31	41	51	61	71	81	91	7 101	8 111	9 121
2	12	22	32	42	52	62	72	82	92	4 102	5 112	6 122
3	13	23	33	43	53	63	73	83	93	1 103	2 113	3 123
l 4	@ 14	# 24	\$ 34	% 44	¢ 54	& 64	* 74	(84	) 94	104	0 114	124
q 5	w 15	e 25	r 35	t 45	y 55	u 65	i 75	o 85	p 95	~ 105	115	125
a 6	s 16	d 26	f 36	g 46	h 56	j 66	k 76	l 86	" 96	— 106	+ 116	126
z 7	x 17	c 27	v 37	b 47	n 57	m 67	77	87	' 97	- 107	= 117	127
Q 8	W 18	E 28	R 38	T 48	Y 58	U 68	I 78	O 88	P 98	[108	] 118	128
A 9	S 19	D 29	F 39	G 49	H 59	J 69	K 79	L 89	; 99	: 109	' 119	129
Z 10	X 20	C 30	V 40	B 50	N 60	M 70	80	90	/ 100	? 110	120	130

STORE NAME /MESSAGE AND COMMERCIAL MESSAGE PROGRAMMING OR CHANGING (Submode 1)

OPERATION

Mode Lock: **SET** / GT Lock: Neutral



* For sequentially programming lines, the line number specification can be skipped.

- NOTES:**
1. For each line, a maximum of 20 regular-sized characters or 10 double-sized characters may be entered. A combination of both types is also available.
 2. If the option "Store Name Print by RUBBER STAMP" is selected, no data can be programmed for the store name/message. Therefore, enter 1 to 3 as Line No. for the commercial message data only.
If the option "Store Name Print by DOT PRINTER" is selected, use 1 through 4 for the store name/message and 5 through 7 for the commercial message data, as Line No.
 3. If no commercial message is required on the receipt, program blanks for all three lines. As a result no extra lines will be fed. If any one of the three lines is programmed, the two other lines will cause line feeds.
 4. The 4-line range assigned for the store name/message will be either printed or fed, as long as the option "Store Name print by DOT PRINTER" is selected.
 5. If any incorrect characters have been programmed, depress the [C] key to clear all the characters on a line and then re-enter characters from the beginning, or end the line with an [ST] and re-program the entire line. The new data will be active.
 6. When all the lines have been programmed, do a check by issuing a receipt. Only the lines with errors need to be re-programmed; other lines will not be affected.

ex.) To program the following draft as the Store Name/Message and Commercial Message (under the "Store Name by DOT PRINTER" option):

DRAFT:

	T	E	C			S	T	O	R	E		Line No. 1	
		1	2	3	4		P	E	A	C	H		Line No. 2
			P	H	O	N	E	:		8	7	-	Line No. 3
													Line No. 4
	T	h	a	n	k		y	o	u				Line No. 5
								C	a	l	l		Line No. 6
													Line No. 7

OPERATION: Presumed that nothing has been programmed on each line.

Mode Lock to **SET**, GT Lock to Neutral, enter 1, depress **[@/FOR]**.

(The example below uses the CHARACTER CODE ENTRY method; the DIRECT CHARACTER ENTRY method will be easier if you have any of FLAT KEYBOARD, PLU KEYBOARD (PK-2), or PROGRAMMING KEYBOARD (TKB-1.)

1 [ST] (Line No. 1)
 [#] (space)
 [@/FOR] 504 [#] (T)
 [@/FOR] 405 [#] (E)
 [@/FOR] 403 [#] (C)
 [#] (space)
 [#] (space)
 [@/FOR] 503 [#] (S)
 [@/FOR] 504 [#] (T)
 [@/FOR] 415 [#] (O)
 [@/FOR] 502 [#] (R)
 [@/FOR] 405 [#] (E)
 [ST]

2 [ST] (Line No. 2)
 [#] (space)
 [#] (space)
 301 [#] (1)
 303 [#] (3)
 304 [#] (4)
 303 [#] (3)
 [#] (space)
 500 [#] (P)
 405 [#] (E)
 401 [#] (A)
 403 [#] (C)
 408 [#] (H)
 [#] (space)
 404 [#] (D)
 502 [#] (R)
 409 [#] (I)
 506 [#] (V)
 405 [#] (E)
 [ST]

3 [ST] (Line No.)
 [#] three times (space)
 500 [#] (P)
 408 [#] (H)
 415 [#] (O)
 414 [#] (N)
 405 [#] (E)
 310 [#] (:)
 [#] (space)
 308 [#] (8)
 307 [#] (7)
 213 [#] (-)
 306 [#] (6)
 304 [#] (4)
 303 [#] (3)
 307 [#] (7)

 [ST]
 5 [ST] (Line No.)
 504 [#] (T)
 608 [#] (h)
 601 [#] (a)
 614 [#] (n)
 611 [#] (k)
 [#] (space)
 709 [#] (y)
 615 [#] (o)
 705 [#] (u)

 [ST]
 6 [ST] (Line No.)
 [#] ten times (space)
 403 [#] (C)
 601 [#] (a)

612 [#] (l)
 612 [#] (l)
 [#] (space)
 601 [#] (a)
 607 [#] (g)
 601 [#] (a)
 609 [#] (i)
 614 [#] (n)

[ST]

[AT/TL]

12-28-90 #0

PO1

1
 TEC STORE

2
 1343 PEACH DRIVE

3
 PHONE: 87-6437

5
 Thank you

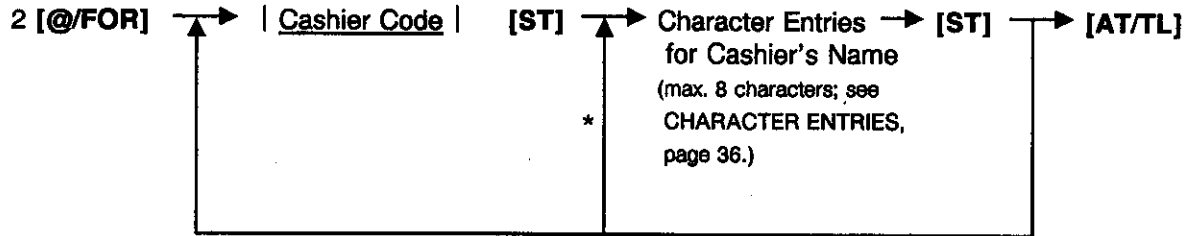
6
 Call again

0006 05:06TH

CASHIER CODE AND NAME PROGRAMMING (Submode 2)

■ Programming .

OPERATION Mode Lock: **SET** / GT Lock: Neutral



Repeat for other cashier codes and name settings.

* (When the code is sequential from the previous-set code, the Cashier Code entry may be skipped.)

NOTE : 1. Cashier Code: Push-stay-key Type:

1 to 4

Sign ON/OFF type:

1 to 99 (max. 15 cashiers)

(The code set here will be the manager-assign portion of the entire 4-digit cashier code for cashier sign-ON.)

2. For the name of each cashier, a maximum of 8 regular-sized or 4 double-sized characters may be entered. A combination of both types is also available. (At least one character must be entered here.)

ex.) To program Cashier Code 1 with name "JONES",
Cashier Code 2 with name "SMITH":

Mode Lock to **SET**, GT Lock to Neutral
Enter 2, depress **[@/FOR]**.

Enter 1, depress **[ST]** (Cashier Code)
Enter 410, depress **[#]** (J)
Enter 415, depress **[#]** (O)
Enter 414, depress **[#]** (N)
Enter 405, depress **[#]** (E)
Enter 503, depress **[#]** (S)
Depress **[ST]** (to end Cashier 1)

Enter 2, depress **[ST]** (Cashier Code)
Enter 503, depress **[#]** (S)
Enter 413, depress **[#]** (M)
Enter 409, depress **[#]** (I)
Enter 504, depress **[#]** (T)
Enter 408, depress **[#]** (H)
Depress **[ST]** (to end Cashier 2)

Depress **[AT/TL]** to end this programming.

TEC STORE	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
12-28-90	#0
P02	
01	JONES
02	SMITH
0007 05:09TM	

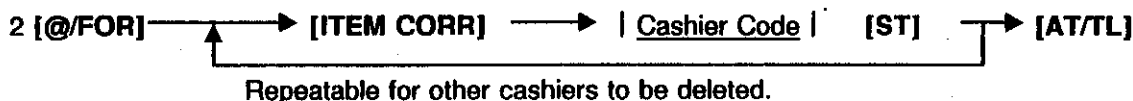
■ Deletion

CONDITION

After the Cashier's Daily and GT Resets and in his/her Signed-OFF condition

OPERATION

Mode Lock: **SET** / GT Lock: Neutral



- NOTES:**
1. The Cashier Reset Report Count of the deleted cashier will be cleared.
 2. The cashier key or cashier code of the deleted cashier cannot be used or signed-ON for sales entries.

ex.) To delete Cashier Code 1 with name "JONES" that has been programmed in the previous page:

Mode Lock to **SET**, GT Lock to Neutral
Enter 2, depress **[@/FOR]**

Depress **[ITEM CORR]**
Enter 1, depress **[ST]** (Cashier Code)
Depress **[AT/TL]** to end this program.

Thank you	
Call again	
11-20-90	#0
P02	
01	JONES

0009 08:46TM	

DEPARTMENT TABLE PROGRAMMING OR CHANGING (Submode 3)

OPERATION

To change the Positive/Negative status :

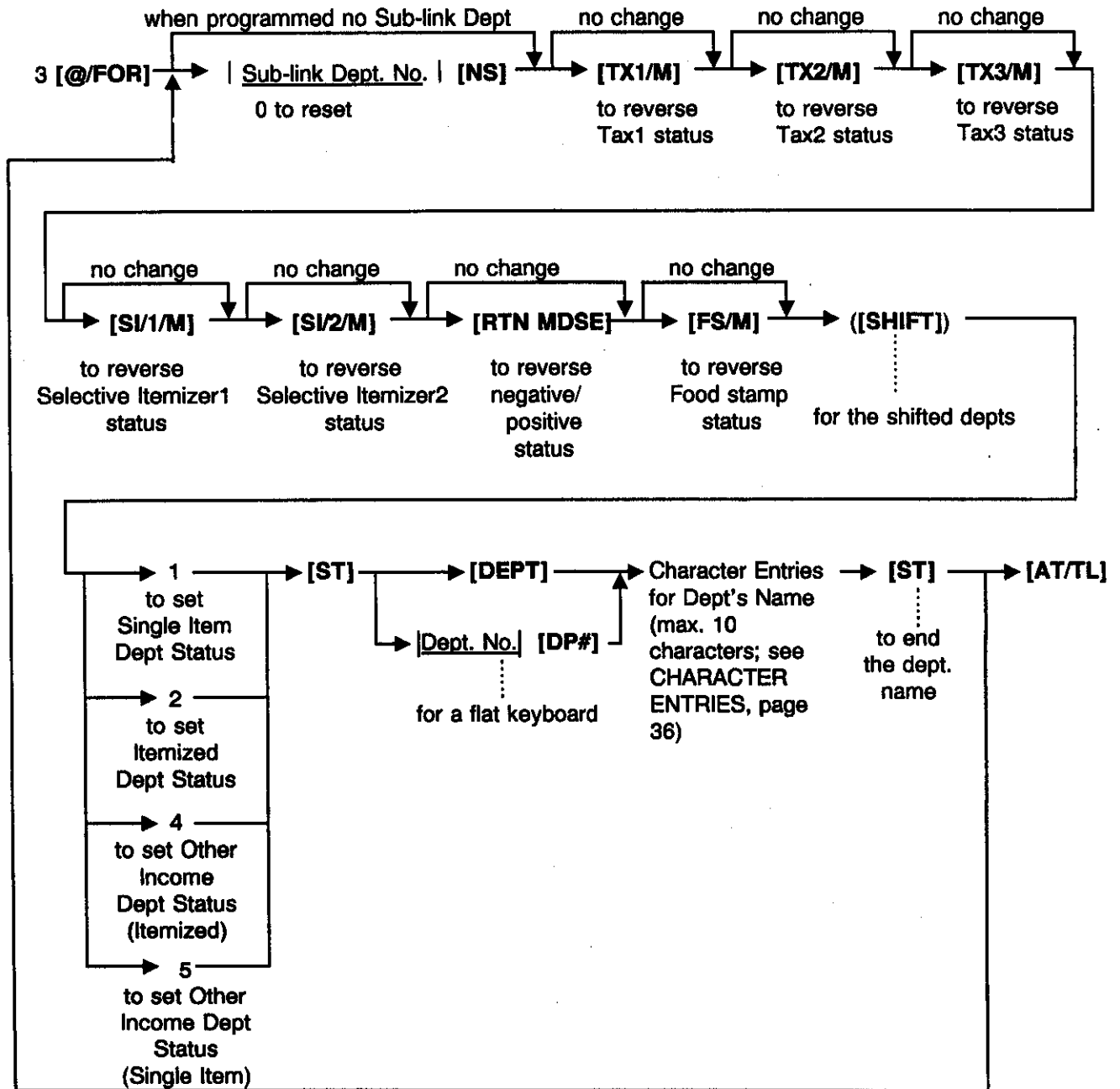
After Department Daily and GT Resets and PLU Reset

To change any other programmed data or to program new depts. :

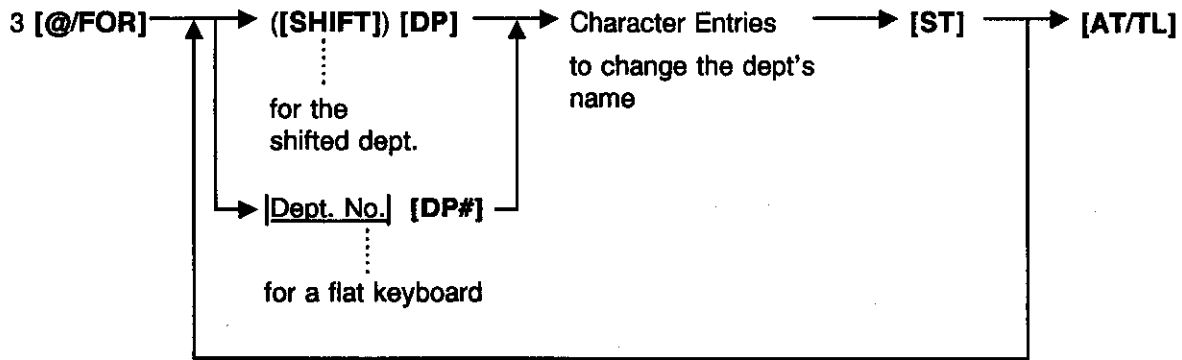
Any time outside a sale

OPERATION

Mode Lock : SET / GT Lock : Neutral



- NOTES :** 1. Depress only the key(s) for the required status change(s). [RTN MDSE], [TX 1/M], [TX2/M], [TX3/M], [SI1/M], [SI2/M], and [FS/M] keys will function to reverse from the current status to the other.
2. For the name of each department, a maximum of 10 regular-sized or 5 double-sized characters may be entered. A combination of both types is also available. If no name is programmed for a department, the Department No. (ex. "DP01") will be printed on the receipt and reports as the Department name.
3. If only a department name is set or changed, refer to the following operation sequence.



Repeatable another dept to change only its name.

ex.) To program the following status and name for each department :

DEPT CODE	Sub-link Dept. No.	Tax Status	Selective Itemizer Status	Negative/ Positive Status	Food Stamp Status	Dept. Status	Dept. Name
1	---	Tax 1	---	Positive	Stampable	Itemized	VEGETABLE
2	---	Tax 1	---	Positive	Stampable	Itemized	FRUIT
3	---	Tax 1	---	Positive	Stampable	Itemized	MEAT
4	---	Tax 1	---	Positive	Stampable	Itemized	FISH
5	---	Tax 1	Net to SI1	Positive	Stampable	Itemized	DAIRY
6	---	Tax 1	Net to SI1	Positive	Stampable	Itemized	BAKERY
7	---	Tax 1 & 2	Net to SI1	Positive	Stampable	Itemized	CAN FOOD
8	---	Tax 1 & 2	Net to SI1	Positive	Stampable	Itemized	BTL FOOD
9	10	Tax 1 & 2	Net to SI1	Positive	---	Itemized	DRINK
10	---	---	---	Positive	---	Itemized	BTL DEPO
11	---	Tax 2	Net to SI1	Positive	---	Itemized	SNACK
12	---	Tax 2	Net to SI1	Positive	---	Itemized	SPICE
13	---	---	---	Positive	---	Other Income	no name
14	---	---	---	Positive	---	Single Item	no name
15	---	---	---	Negative	---	Itemized	no name

Mode Lock to **SET**, enter 3, depress [**@/FOR**]

[**TX1/M**] [**FS/M**] 2 [**ST**] [**DEPT1**]

506 [#] 405 [#] 407 [#] 405 [#] 504 [#] 401 [#] 402 [#] 412[#] 405 [#] [**ST**]
 (V) (E) (G) (E) (T) (A) (B) (L) (E)

[**RTN MDSE**] 2 [**ST**] [**DEPT 15**]

[**AT/TL**] to end the programming

P03				
01	2 F		1	
01	VEGETABLE			
02	2 F		1	
02	FRUIT			
03	2 F		1	
03	MEAT			
04	2 F		1	
04	FISH			
05	2 F	I	1	
12	2	I	2	
12	SPICE			
13	4			
14	1			
15	2			
0011 05:15TM				

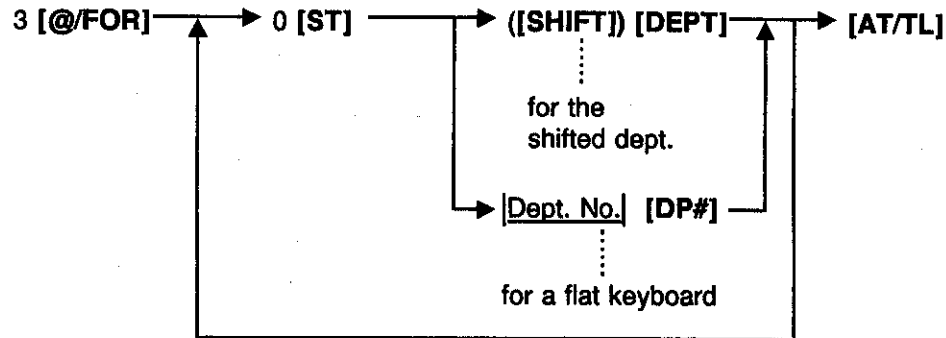
■ Reset the programmed department status

OPERATION

After Department Daily and GT Resets, Financial Daily and GT Resets and PLU Reset

OPERATION

Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other depts to reset the programmed status.

ex.) To reset the programmed status of Dept 1 :
 Mode Lock to **SET**, enter 3, depress [**@/FOR**].
 0 [**ST**] [**DEPT 1**] [**AT/TL**].

TEC STORE
 1343 PEACH DRIVE
 PHONE: 87-6437

Thank you
 Call again

12-28-90 #0

P03

01 2

0012 05:24TM

- NOTES :**
1. *The Positive / Negative and Single-item / Itemized status are determined by those of the department to which each PLU is linked.*
 2. *If no name is set for a PLU, the PLU Code (such as "PLU 0001") will be printed as the PLU name on sales receipts.*
 3. *No PLU may be linked to an other income department.*
 4. *The Stock-process status and the Scale-compulsory status cannot be combined for a PLU.*
 5. *When programmed the Scale-compulsory status to a negative PLU, a sale entry of this PLU is not available.*
 6. *If only a PLU name is set or changed, the Character Entry may be executed immediately after the depression of [PLU] in the above operation sequence.*
 7. *The Head to Sub linkage is effective for only one step.*
 8. *The Head-link PLU Entry will cause an error when programmed its Sub-link PLU as an open-price PLU.*

ex.) To program the following status and name for each PLU :

PLU CODE	Whole Package Quantity	Link-PLU Table No.	Preset Price	Tax Status	Selective Itemizer Status	Food Stamp Status	Scale-Compulsory Status	Stock-process Status	Linked department	PLU name
3	6	---	\$1.00	Tax1	---	Stampable	---	---	Dept. 1	Tomato
5	6	---	\$0.80		---		---	---	Dept. 1	Potato
12	4	---	\$0.75		---		---	---	Dept. 2	Orange
20	4	---	\$1.00		---		---	---	Dept. 2	Lemon
33	---	---	\$2.50		---		Compulsory	---	Dept. 3	Beef
37	---	---	\$2.00		---			---	Dept. 3	Pork
52	---	---	\$0.75		---			---	Dept. 4	Salmon
63	---	---	\$0.60		---			---	Dept. 4	Shrimp
72	---	---	\$1.30		Net to SI1			---	Dept. 5	Milk-Large
79	---	---	\$0.40					---	Dept. 5	Milk-Small
83	---	---	\$0.60			Stampable		---	Dept. 9	Apple Juice
88	---	---	\$2.50					---	Dept. 5	Cheese
95	---	---	open					---	Dept. 5	Eggs-6 Pack
97	---	---	\$1.20					---	Dept. 6	Donuts-5
102	---	---	\$1.20					---	Dept. 6	Rye Bread
111	---	---	\$0.80					---	Dept. 6	Hard Rolls-4
121	---	---	\$0.50	Tax1&2				Process	Dept. 7	Tuna Can
125	---	---	\$0.45						Dept. 7	Soup Can
133	---	---	\$1.80						Dept. 8	Plum Jam
141	---	---	\$1.90						Dept. 8	Kiwi Jam
150	---	---	\$1.20						Dept. 8	Pickles
157	---	1	\$0.60						Dept. 9	Coke Small-B
163	---	1	\$0.60						Dept. 9	7-up Small-B
170	---	1	\$0.05						Dept.10	Small-B Depo
175	---	---	\$1.50	Tax2	Net to SI1			Process	Dept.11	Potato Chips
183	---	---	\$0.60						Dept.12	Nutmeg
185	---	---	\$1.50						Dept. 9	Budweiser
187	---	---	\$1.50						Dept. 9	Guinness
190	---	---	\$1.00	Tax1		Stampable			Dept. 6	Apple Pie

Mode Lock to SET, enter 4, depress [®/FOR]

3[PLU] 6[ST] 100 [TX1/M] [FS/M] [DEPT1]

504 [#] 615 [#] 613 [#] 601 [#] 704 [#] 615 [#] [ST]
(T) (o) (m) (a) (t) (o)

190 [PLU] 100 [TX1/M] [SI1/M] [FS/M] [DEPT 6]

401 [#] 700 [#] 700 [#] 612 [#] 605 [#] [#] 500 [#]
(A) (p) (p) (l) (e) (sp.) (P)

609 [#] 605 [#]
(i) (e)

[AT/TL] to end this programming.

P04		
PLU0003	/06	1.00
	01	000
	F	1
PLU0003 Tomato		
PLU0005	/06	0.80
	01	000
	F	1
PLU0005 Potato		
~~~~~		
PLU0190		1.00
	06	000
	F I	1
PLU0190 APPLE Pie		
0029		
0014 05:27TM		

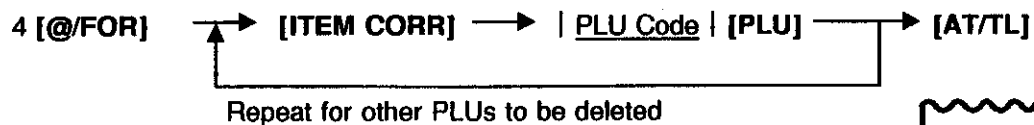
## PLU TABLE DELETION

**CONDITION**

After PLU Reset

**OPERATION**

Mode Lock : **SET**



ex.) To delete PLU No. 20 once set in the above programming operation :

Mode Lock to **SET**, enter 4, depress [**@/FOR**]

Depress [**ITEM CORR**], enter 20, depress [**PLU**].

Depress [**AT/TL**] to end this program.

<b>P04</b>	
PLU0020	
-----	
0028	
0015 05:51TH	

## TIME SETTING OR ADJUSTMENT (Submode 5)

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET**

5 [ @/FOR ] → 

--	--

--	--

 → [ AT/TL ]

Hour  
0 to 23

Minute 00 to 59

- NOTES :**
1. "If an hour value of more than 23 or a minute value of more than 59 is entered, no errors will result. However, in this case, set the time again with correct values.
  2. The date will not be changed by setting or adjusting the time.

ex.) To set the time to "10:58" (10:58 a.m.)

Mode Lock to **SET**, enter 5, depress [ @/FOR ]  
Enter 1 0 5 8 , depress [ AT/TL ].

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

12-28-90 #0

**F05**  
10:58TM

0018 10:58TM

## DATE SETTING OR ADJUSTMENT (Submode 6)

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET**

6 [ @/FOR ] → 

--	--	--

 → [ AT/TL ]

Month   Day   Year  
1-12   01-31   90, 91, etc.

Year   Month   Day   ..... (if YEAR-MONTH-DAY option is selected)  
90,91, etc. 01-12   01-31

Day   Month   Year   ..... (if DAY-MONTH-YEAR option is selected)  
1-31   01-12   90, 91, etc.

ex.) To set the date to "November 20 1990":

Mode Lock to **SET**, enter 6, depress [ @/FOR ]  
Enter 1 1 2 0 9 0, depress [ AT/TL ].

**NOTE :** The extra day of a leap year is also computed automatically by the clock circuitry.

12-28-90 #0

**F06**  
11-20-90

0019 10:58TM

## DEPARTMENT LISTING CAPACITY SETTING (Submode 8)

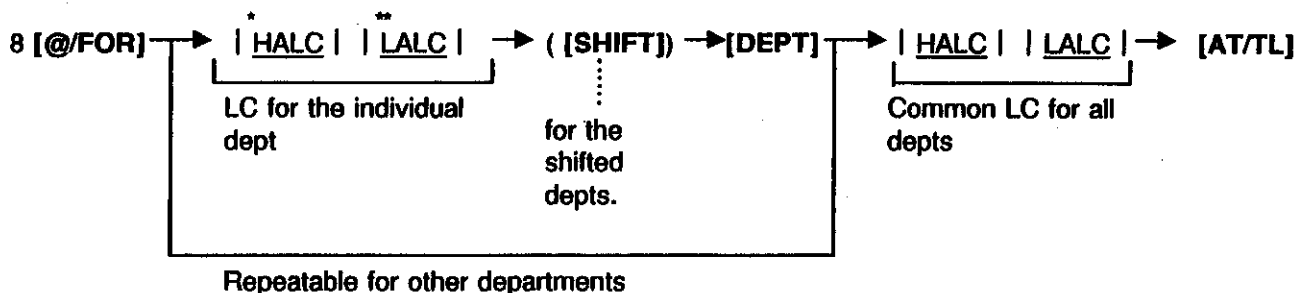
The LC (Listing Capacity) setting is used to check an amount limit error. By setting the LC, an amount entry (due perhaps to a mistake by the operator) will be prevented at the earliest stage (i.e. an error will result on entering an excessive amount through the department key).

### CONDITION

Any time outside a sale

### OPERATION

Mode Lock : **SET** / GT Lock : Neutral



* HALC ..... High Amount Listing Capacity (to be set in a 2-digit code.)

ex.) | 3 | | 4 | ..... indicate \$39.99 ..... equal to or smaller than \$39.99

Value of the top digit      4 digits

** LALC ..... Low Amount Listing Capacity (to be set in a 2-digit code.)

ex.) | 2 | | 2 | ..... indicates \$0.29 ..... larger than \$0.29

Value of the top digit      2 digits

ex.) To set the following LCs.  
 Individual LCs (HALC \$39.99, LALC \$0.29) for Dept. 3.  
 Common LCs (HALC \$99.99, LALC \$0.19).  
 Mode Lock to **SET**, enter 8, depress [ @/FOR ],  
 3422 [DEPT 3] 9412 [AT/TL].

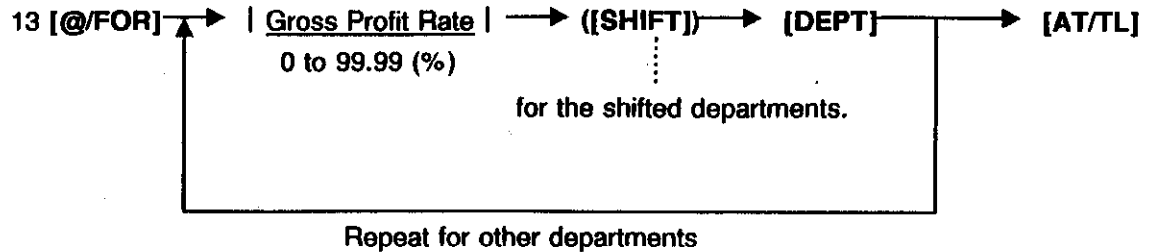
**NOTES :** 1. If the individual LC of a department is set, it prevails over the common listing capacity.  
 2. To reset a listing capacity, enter 00 before the [DEPT] key or the [AT/TL] key in the above operation.

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90	#0
<b>F08</b>	
03 MEAT	3422
	9412
0022 10:59TM	

## DEPARTMENT GROSS PROFIT RATE PROGRAMMING OR CHANGING (Submode 13)

**CONDITION**

Any time outside a sale

**OPERATION**Mode Lock : **SET** / GT Lock : Neutral

- NOTES :**
1. The fraction resulted from the rate calculation will be discarded.
  2. To cancel the gross profit once set, enter zero as department gross profit rate.

ex.) To set following Gross Profit Rate  
 Dept 1 10%  
 Dept 3 20%

Mode Lock to **SET**, enter 13, depress [**@/FOR**]

Enter 10, depress [**DEPT 1**]

Enter 20, depress [**DEPT 3**]

[**AT/TL**] to end this program.

11-20-90 #0	
<b>F 13</b>	
01 VEGETABLE	10%
03 MEAT	20%
0027 11:03TM	

# CUSTOMER FILE CODE (CHECK TRACK NO.) OPENING OR CLOSING (Submode 15)

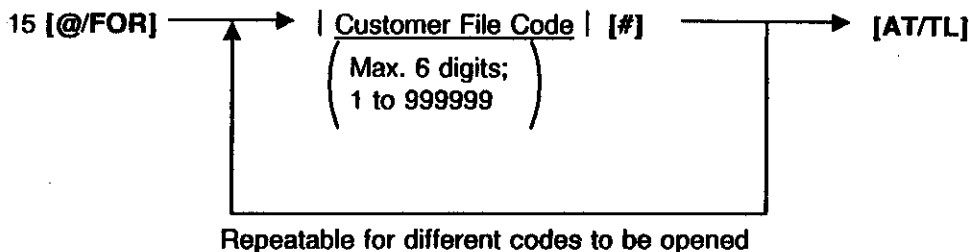
## CONDITION

This program is available only when the "Check Track" option is selected. Programming is allowed any time outside a sale.

## OPERATION

Mode Lock : **SET** / GT Lock : Neutral

## ■ Opening :



- NOTES :**
1. The Customer File codes that have been opened in this program will be accessed by entering the code and depressing the **[PICK UP BAL]** key for sale entry in a charge posting operation in the "REG" or "MGR" mode. At this time, the balance of the new customer assigned with the code will show zero which will be printed as the previous balance line item. On finalizing the sale, the new balance will be printed at the bottom of the receipt, which will be stored in the same Customer File Code memory area. Thus the operator always uses the **[PICK UP BAL]** key for both starting a new customer's account and recalling the customer's balance.
  2. If all the opened Customer File codes are used up and a new customer file code is required to be opened during the business hours, the **[CODE OPEN]** key may be used. When a new code is entered, followed by **[CODE OPEN]**, the code is printed as the previous balance line item with the balance zero on the receipt, and at the same time, the code is added to the list of the Customer File Codes opened in the above "SET" mode operation. However, the use of the **[CODE OPEN]** key can be programmed to require Manager intervention, which can control the operator's opening of a new customer file code outside the list of Customer File Codes pre-opened in the "SET" mode.
  3. A maximum of 1000 Customer File Codes may be opened (max. 1000 fixed).

ex.) To open the following customer file codes.

<u>Code to be opened</u>	<u>Mode Lock to SET</u>
1	15 [ @/FOR ]
104	1 [#]
105	104 [#]
	105 [#]
	[AT/TL]

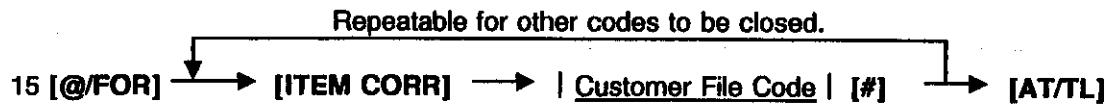
```

F 15
#000001
#000104
#000105

0003

0030 11:11TM
  
```

■ Closing :



**NOTE :** If the balance of the closed is not zero, the Transfer memory of the code will automatically be adjusted to zero. In this case, the previous balance to be reset will be printed at the same time.

ex.) To close the following Customer File Code that have once been opened:

Code to be closed

104

Mode Lock to SET

15 [ @/FOR ]

[ITEM CORR] 104 [#]

[AT/TL]

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90 #0	
<b>P 15</b>	
#000104	\$0.00
-----	
0002	
0031 11:11TM	



## SALESPERSON CODE AND NAME PROGRAMMING AND DELETION (Submode 20)

By programming Salesperson Codes here, those codes may be used in sales entries. In addition, the name of each salesperson can be programmed in maximum 8 characters.

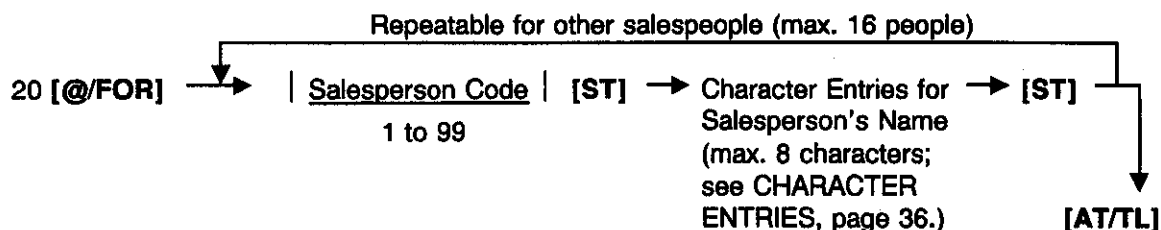
### ■ Programming

#### CONDITION

Any time outside a sale (for programming a new code and name, or for only changing the name)

#### OPERATION

Mode Lock: **SET** / GT Lock: Neutral



- NOTES:**
1. A maximum of 8 regular-sized or 4 double-sized characters may be programmed for a name. A combination of both types is also available.
  2. If no name is programmed (i.e. skipping the Character Entries before the second **[ST]** key) for a Salesperson Code, that code may be used in sales entries. However, auto-preset ID symbol "SPxx" (xx is the Salesperson Code) will be printed instead of a name in this case, for his/ her ID in receipt print, etc.

ex.) To program the following Salesperson Codes and names:

Code	Name	Mode Lock to <b>SET</b> . 20 [ @/FOR ].
1	White	1 [ST] (Salesperson Code 1) 507 [#] (W) 608 [#] (h) 609 [#] (i) 704 [#] (t) 605 [#] (e) [ST]
2	Stacy	2 [ST] (Salesperson Code 2) 503 [#] (S) 704 [#] (t) 601 [#] (a) 603 [#] (c) 709 [#] (y) [ST]
3	Mehl	3 [ST] (Salesperson Code 3) 413 [#] (M) 605 [#] (e) 608 [#] (h) 612 [#] (l) [ST]

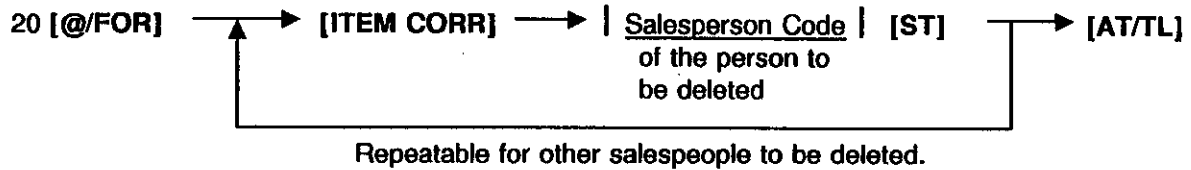
[AT/TL]

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	Call again
11-20-90 #0	
<b>F20</b>	
01 White	
02 Stacy	
03 Mehl	
0034 11:13TM	

## ■ Deletion

**CONDITION**

After Daily Salesperson Reset.

**OPERATION**
Mode Lock: **SET** / GT Lock: Neutral

**NOTE:** When a Salesperson Code is deleted in the above operation, no entries using that code will be accepted until the code is again opened in the "Programming" operation already described.

ex.) To delete Salesperson Code 3 (name "Mehl") that has once been programmed:

Mode Lock to **SET**, 20 **[@/FOR]**

**[ITEM CORR] 3 [ST]**

**[AT/TL]**

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #0

**P20**

03 Mehl

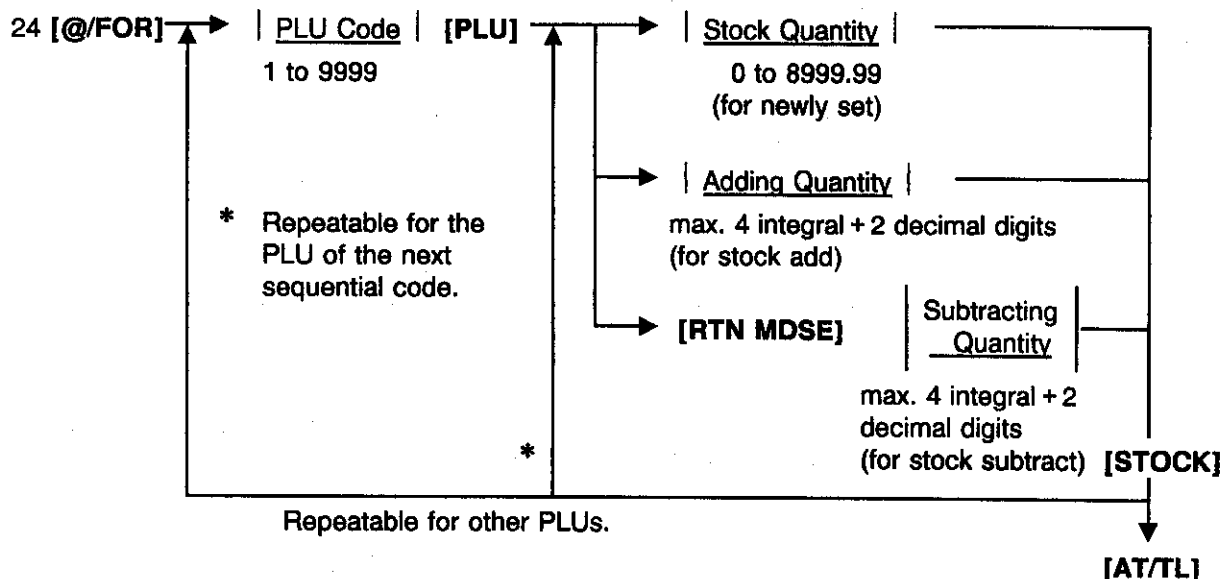
0035 11:14TH

## PLU STOCK QUANTITY PROGRAMMING OR CHANGING (Submode 24)

This programming is available for only PLUs for which the stock function active has been selected by "PLU TABLE PROGRAMMING OR CHANGING (Submode 4)

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock: **SET**



- NOTES :**
1. On the " | PLU Code | [PLU]" entry, the current stock quantity is displayed.
  2. The total stock quantity of a PLU after addition or subtraction must not exceed the value range from 8999.99 through -1000.
  3. The PLU code here must exist in the PLU Table and must be set PLU stock-process status.

ex.) To change the stock quantities of the following PLUs :  
(Presumed that PLU 121 is stocked of 240 and PLU 133 is stocked of 550.)

PLU Code	Stock Change
121	Add 1000
133	Subtract 200

Mode Lock to **SET**  
 24 [AT/TL]  
 121 [PLU] 1000 [STOCK]  
 133 [PLU] [RTN MDSE]  
 200 [STOCK]  
 [AT/TL] to end.

```

11-20-90  #0

P24
PLU0121    1000
           1240
PLU0133    200  -
           350

0040 11:21TM
  
```

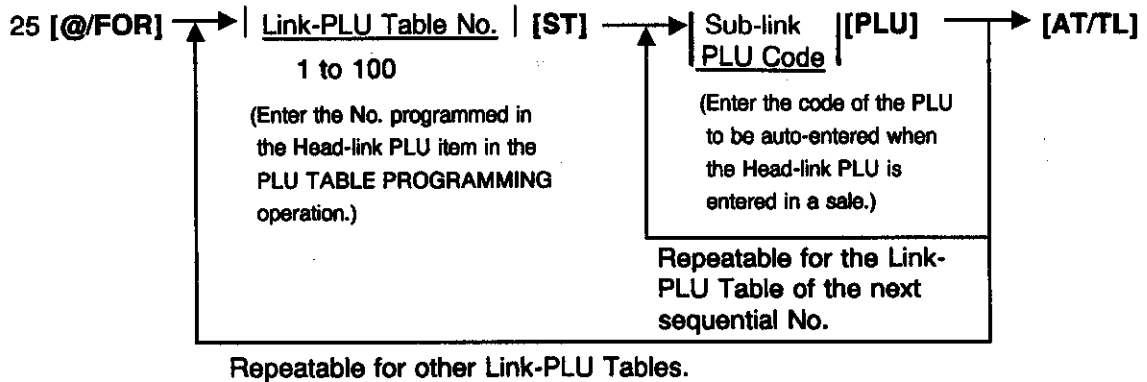
## LINK-PLU TABLE PROGRAMMING (Submode 25)

This operation will program Link-PLU Tables and their respective Sub-link PLUs. When a PLU is programmed with a Link-PLU Table No. (PLU TABLE PROGRAMMING, Submode 4), an entry of the PLU will automatically enter the Sub-link PLU that is programmed in the Link-PLU Table No.

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock: **SET** / GT Lock: Neutral


ex.) To set the following Link-PLU Table and its Sub-link PLU:

Link-PLU Table No.	Sub-link PLU Code
1	170

Mode Lock to **SET**, 25 [@/FOR].

1 [ST] 170 [PLU] [AT/TL]

**NOTE:** In this example, Link-PLU Table No.1 has already been set in PLU 157 (Coke Small-B) and PLU 163 (7-up Small-B) as Head-link items in the PLU PROGRAMMING operation. The Sub-link PLU 170 here has been programmed as a bottle-deposit PLU (Small-Btl Depo) in the same operation.

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #0

P25  
#001 0170

0042 11:25TH

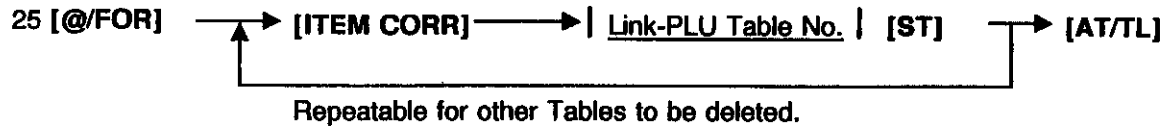
## ■ Deletion of Link-PLU Tables

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock: **SET** / GT Lock: Neutral



ex.) To delete Link-PLU Table No.10 :

Mode Lock to **SET**, 25 **[@/FOR]**.

**[ITEM CORR] 10 [ST] [AT/TL]**

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #0

**F25**  
#010 0000

0043 11:25TM

## TARE TABLE SETTING (Submode 26)

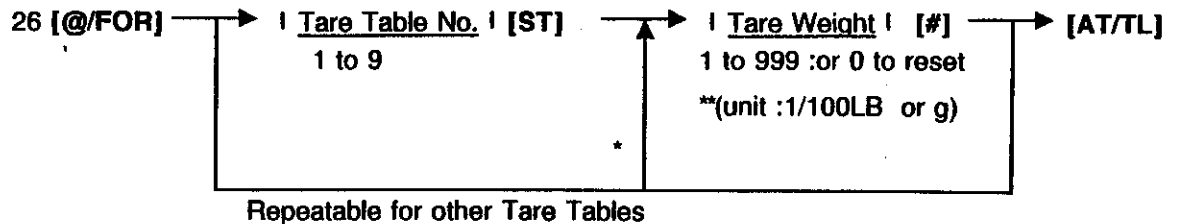
This operation will program the tare table No. to automatically subtract the tare weight from the scaled weight.

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock : **SET** / GT Lock : Neutral



* (Repeatable from here if the Table No. is sequential from the previous one.)

**  
ex.) Enter 13 for 0.13LB.  
Enter 25 for 25 g.  
(The unit selection, LB or g, is determined by a programming option.)

ex.) To set the followings :  
Tare Table No.1 with tare weight 0.13LB,  
Tare Table No.2 with tare weight 0.20LB.

Mode Lock to **SET**, 26 [ @/FOR ]

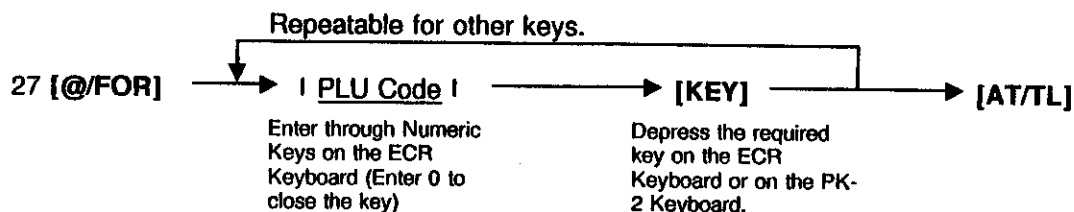
1 [ST] 13 [#]  
(2 [ST]) 20 [#] [AT/TL]

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90 #0	
F26	
#1	0.13
#2	0.20
0044 11:26TM	

## PLU PRESET-CODE KEY SETTING (Submode 27)

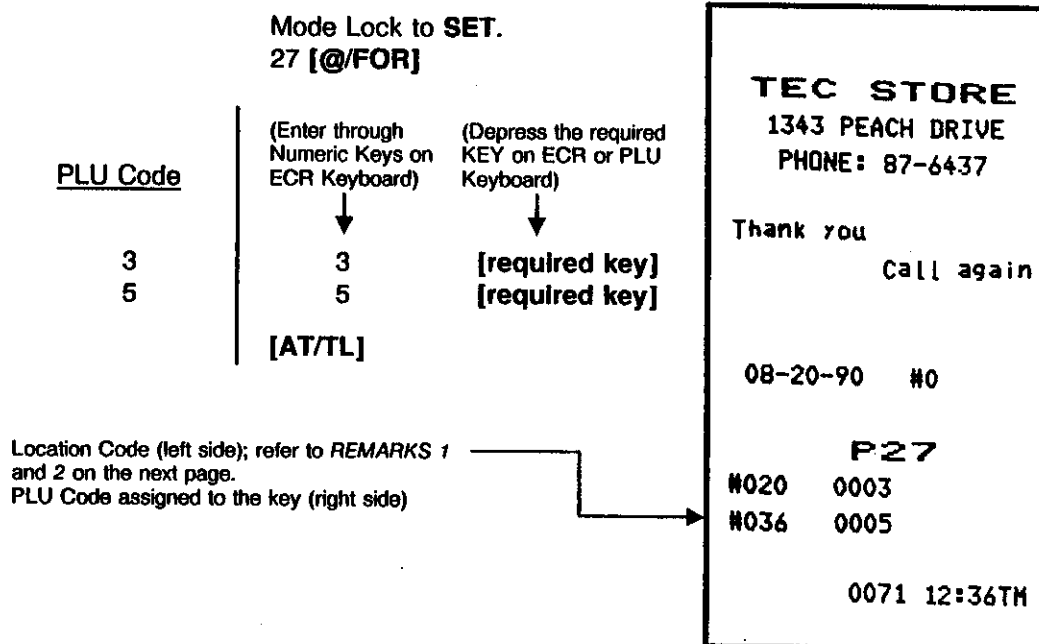
When there are any keys programmed as PLU Preset-code Keys on the ECR Keyboard, and/or when the PLU Keyboard PK-2 (hardware option) is connected to the ECR, a PLU code may be preset to each of those keys in this operation.

<b>CONDITION</b>	Any time outside a sale
<b>OPERATION</b>	Mode Lock : <b>SET</b> / GT Lock : Neutral



- NOTES :**
1. If the PLU Code entry is skipped and a [KEY] is simply depressed in the above sequence, the preprogrammed PLU Code of the KEY will be displayed.
  2. A non-opened PLU Code (i.e. PLU non-existent in the PLU table file) can be set on a KEY; however, pressing the KEY in sale entries will result in an error unless the code is opened in the PLU TABLE PROGRAMMING operation, Submode 4.
  3. If "0" is entered as PLU Code in the above sequence, the KEY will be closed. Pressing the closed KEY in sale entry will not be processed.

ex) To set the following PLU Codes to the following KEYS on the ECR keyboard and/or on the PLU Keyboard respectively :



PK-2 KEYBOARD

1	11	21	31	41	51	61	71	81	91	101	111	121
2	12	22	32	42	52	62	72	82	92	102	112	122
3	13	23	33	43	53	63	73	83	93	103	113	123
4	14	24	34	44	54	64	74	84	94	104	114	124
5	15	25	35	45	55	65	75	85	95	105	115	125
6	16	26	36	46	56	66	76	86	96	106	116	126
7	17	27	37	47	57	67	77	87	97	107	117	127
8	18	28	38	48	58	68	78	88	98	108	118	128
9	19	29	39	49	59	69	79	89	99	109	119	129
10	20	30	40	50	60	70	80	90	100	110	120	130

**REMARKS 1.** The Nos 1 through 130 marked on the PK-2 Keyboard are the KEY Nos to be printed on the left side of the program receipt issued in the operation on the preceding page. If each KEY is not set with a PLU Code, the auto-preset PLU Code identical to the initial KEY No. in the above figure will be active as its preset PLU Code

ex.) KEY No.1 ... PLU Code 1  
KEY No.130... PLU Code 130

2. When a PLU code is assigned to a PLU Preset-code Key on the ECR Keyboard in the operation on the preceding page, the Hardware Key Code which indicates the absolute location of the key will be printed to the left of the assigned PLU Code. Since it is hard to explain which location code corresponds to each key (due to an irregular numbering), it is suggested to verify the positioning by simply depressing the KEY and reading the code in the display (described in NOTE 1 on the preceding page). This reading operation is applied to the PK-2 Keyboard as well.

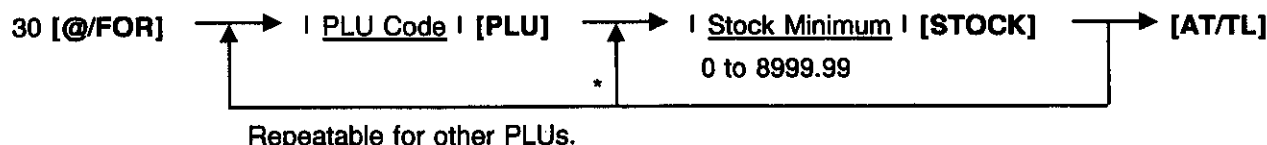


## MINIMUM OF PLU STOCK PROGRAMMING (Submode 30)

The buzzer beeps when the stock quantity programmed on "PLU STOCK QUANTITY PROGRAMMING" (Submode 24) reaches the minimum.

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral



* Repeatable for the PLU of the next sequential code.

**NOTE :** After depressed [**PLU**] in the above sequence, the current programmed minimum of its PLU is displayed.

ex) To program the stock minimum of 50 for PLU 121 :

Mode Lock to **SET**, enter 30, depress [**@/FOR**]  
 121 [**PLU**] 50 [**STOCK**] [**AT/TL**].

```

11-20-90  #0
          F30
PLU0121    0
          50
          0048 11:34TM
  
```

## CASH-IN-DRAWER LIMIT AMOUNT SETTING (Submode 33)

The buzzer beeps when cash total in the drawer reaches the programmed limit amount during cash total or tendering operations.

**CONDITION** After the daily Financial Resets

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

33 [**@/FOR**] → | Limit Amount in drawer | [**AT/TL**]  
 1 to 89999999  
 (result : \$0.01 to \$899999.99)  
 0 to Reset

ex.) To set the Limit Amount of \$2000.00 :

Mode Lock to **SET**, enter 33, depress [**@/FOR**]  
 200000 [**AT/TL**].

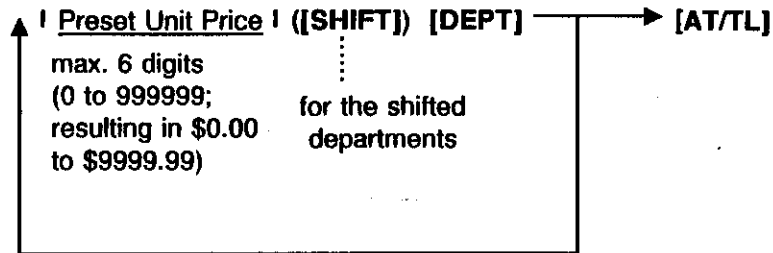
```

11-20-90  #0
          F33
          $2000.00
          0052 11:39TM
  
```

## DEPARTMENT PRESET PRICE SETTING OR CHANGING

**CONDITION**

Any time outside a sale

**OPERATION**
Mode Lock : **SET** / GT Lock : Neutral

Repeatable for other departments.

**NOTE :** When the "Preset Unit Price" is skipped and only the **([SHIFT]) [DEPT]** key(s) is(are) depressed in the above operation sequence, the department will be an open-price department (i.e. amount entry is always required before the **([SHIFT]) [DEPT]** key(s).)

ex.) To set Preset Unit Price \$2.50 to Dept. 2, and \$1.40 to Dept. 3:

Mode Lock to **SET**,  
Enter 250, depress **[DEPT 2]**.  
Enter 140, depress **[DEPT 3]**.  
**[AT/TL]** to end.

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90 #0	
P	
02 FRUIT	2.50
03 MEAT	1.40
0059 11:39TH	

ex.) To reset the Preset Unit Price (\$1.40) of Dept. 3 that was once set (i.e. to change it into an open-price department) :

Mode Lock to **SET**,  
Simply depress **[DEPT 3]**.  
**[AT/TL]** to end.

11-20-90 #0	
P	
03 MEAT	
0060 11:39TH	

## PLU PRESET PRICE CHANGING, WHOLE PACKAGE QUANTITY CHANGING

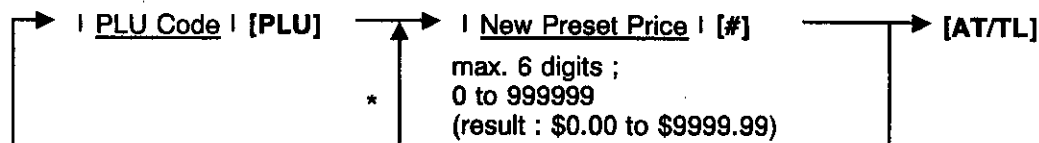
### ■ Changing Preset Price

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock : **SET** / GT Lock : Neutral



Repeatable for other PLUs.

( * Repeatable from here if the PLU Code is sequential.)

- NOTES :**
1. Entering 0 (zero) as New Preset Price will preset the price of \$0.00.
  2. In this operation, changes of the linked department or programming additional PLUs etc. are not possible.

ex.) To change the preset price of PLU No. 5 (previously programmed with \$0.80 as the preset price) to the new price of \$0.75 :

Mode Lock to **SET**,

Enter 5, depress **[PLU]**.

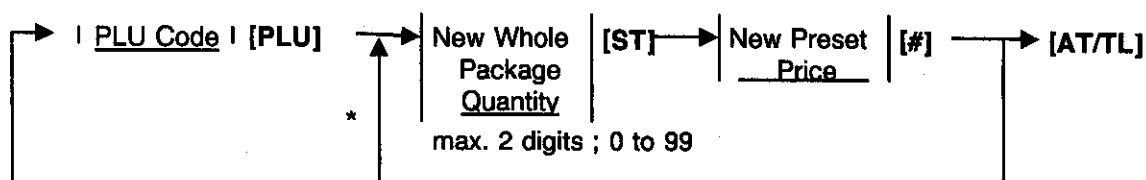
Enter 75, depress **[#]**.

Depress **[AT/TL]** to end this program.

11-20-90	#3001
F	
Potato	
PLU0005	\$0.75
0060 11:44TM	

### ■ Changing the Whole Package Quantity (and the Price accordingly)

(applicable to PLUs of Split Package Pricing type)



Repeatable for other PLUs.

( * Repeatable from here if the PLU Code is sequential from the previous one.)

ex.) To change PLU No. 20 (previously programmed four-pack with \$1.00) to three-pack with \$0.40 :

Mode Lock to **SET**,

20 **[PLU]** 3 **[ST]** 40 **[#]**

**[AT/TL]** to end this programming.

11-20-90	#3001
F	
Lemon	
PLU0020	/03 \$0.40
0061 11:45TM	

## % + AND %- PRESET RATE SETTING

A preset rate may be set on each of the [% +] and [%-] key, one independent rate for each key. Once a rate is preset, the % key only will be depressed without a prior rate entry to activate the preset rate. If a rate is entered prior to the depression of the key, the entered rate (manual rate) will be activated instead.

### CONDITION

Any time outside a sale

### OPERATION

Mode Lock : **SET** / GT Lock : Neutral

| Preset % Rate | [% +] (For Percent Charge  
Preset Rate)

(0.001 to 99.999(%)) ; use the [ . ] key if a  
decimal portion is contained.)

| Preset % Rate | [%-] (For Percent Discount  
Preset Rate)

ex.) To set 10% on [% +] Key :

Mode Lock to **SET**, enter 10, depress [% +].

ex.) To set 5% on [%-] Key :

Mode Lock to **SET**, enter 5, depress [%-].

### To reset the rate once set :

Mode Lock : **SET**,

Enter 0, depress the required % key.

(Then the % key will always require a  
manual rate entry in sales entries.)

**NOTE :** When two [% +] Keys or [%-] keys are  
installed on keyboard, two different % rates  
(one for each) may be preset, in the same  
manner as described above.

<b>TEC STORE</b> 1343 PEACH DRIVE PHONE: 87-6437	
Thank you Call again	
11-20-90	#3001
F	
%+	10%
0062 11:45TM	

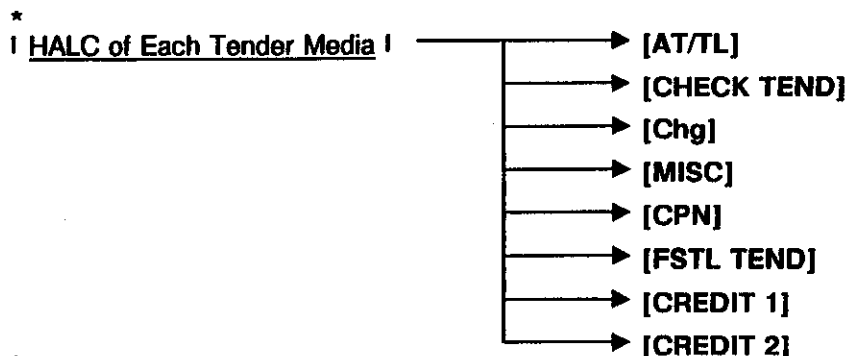
11-20-90	#3001
F	
%-	5%
0063 11:46TM	

# LISTING CAPACITY SETTING FOR TENDER MEDIAS

## CONDITION

After Financial Daily Reset

## OPERATION

Mode Lock : **SET** / GT Lock : Neutral

*  
HALC ..... High Amount Listing Capacity (to be set in a 2-digit code)

ex.) | 3 | 4 | ..... indicate \$39.99 ..... equal to or smaller than \$39.99.

```

graph LR
    HALC[34] -- "Value of the top digit" --> 3[3]
    HALC -- "4 digits" --> 34[34]
  
```

- NOTES :**
1. To reset an individual media listing capacity, enter 0 before media key depression in the above operation.
  2. The HALC of each tender media is effective only when the media key is used for tendering but not when it is used as Total key.
  3. The listing capacity is cleared in "MGR" mode. It can also be cleared by the [LC OPEN] (or [OPEN]) key.

ex.) To set HALCs as in the following :

<u>Table</u>	<u>Key Operation</u>
	Mode Lock to <b>SET</b> .
\$99.99 [AT/TL]	Enter 94, depress [AT/TL].
\$999.99 [CHECK TEND]	Enter 95, depress [CHECK TEND].
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>11-20-90 #3001</p> <p>F</p> <p>CASH 94</p> <p>0064 11:46TM</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>11-20-90 #3001</p> <p>F</p> <p>CHECK 95</p> <p>0065 11:46TM</p> </div> </div>

## PRESET RATE SETTING FOR SELECTIVE ITEMIZERS (SI1 and SI2)

If any of [SI1/TL] (or [SI/TL]) and [SI2/TL] keys are installed on the keyboard, a preset rate may be programmed on each key.

As to the functions and applications of the Selective Itemizers, refer to the description on the next page.

<b>CONDITION</b>	Any time outside a sale
<b>OPERATION</b>	Mode Lock: <b>SET</b> / GT Lock: Neutral

| Preset SI 1 % Rate | [SI1/TL]  
(or [SI/TL])

(0.01 to 99.99(%); use the [.] key  
if a decimal portion is contained.)

| Preset SI 2 % Rate | [SI2/TL]

(On a Single-SI machine, only one Selective Itemizer Total Key is installed and labeled as "[SI/TL]". On a dual-SI machine, two keys, labeled as "[SI1/TL]" and "[SI2/TL]", are installed.)

- NOTES :**
- Whether the calculated amount by the preset SI % rate affects (i.e. add to or subtract from) the sale total is determined by a system option status selection.
  - To reset the rate once set, enter 0 as the rate. (Then the rate is regarded as 100% if the option "Non-affect" is selected. With the option "SI Affects Sale Total", some rate other than "0" should be programmed.)

ex.) To set 7% as SI1 preset % rate:  
Mode Lock to **SET**,  
7 [SI1/TL].

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #3001

**F**  
SI1 TL 7%

0069 11:48TM

## ■ Selective Itemizer Functions and Applications

The "Selective Itemizer" is a temporary total memory for each sale and is activated separately from the Main Itemizer (i.e. sale total memory). If certain Department or PLU items are programmed with the SI (selective itemizer) "net" status, the Selective Itemizer will function to add up amounts of the SI-net-status items in registering the items, while the Main Itemizer will function to add up all the items in the sale. Thus, near the sale finalization, the operator may read the SI content by depressing the [SI/TL] key.

A preset % rate may be programmed for each of SI1 and SI2 (on the previous page), and whether the calculated amount will add to, subtract from, or non-affect the sale total is a selective option. Whether the amount resulted by depressing the [SI/TL] key will print or non-print is another selective option.

The applications of this function may vary from store to store. Some stores may use it for counting the service stamps to be issued to the customers according to the sale amount of service-stampable items. In this case, the option "SI Total Non-affects Sale Total" should be selected, and a preset % rate, 1% for example, may be set to issue one service stamp for every \$1.00. Thus the number of stamps to be issued to the customer is displayed (and printed if so programmed) as a result of calculation with the preset % rate, but the resulted value (the number of stamps in this case) will not affect the sale total.

Example 1) With option "SI Total Non-affects Sale Total":

### Key Operation in "REG" Mode

300 [DEPT 5] (SI-net)  
150 [DEPT 1] (non-SI)  
200 [DEPT 6] (SI-net)  
[SI/TL] (1% SI preset)  
[AT/TL]

### Receipt/Journal Print

DAIRY	\$3.00T	SI-net Depts
VEGETABLE	\$1.50T	
BAKERY	\$2.00T	Number of Stamps to be issued
SI1 TL	\$0.05	
TAX	\$0.39	
CASH	\$6.89	

Dept.5 and Dept.6 are programmed with SI-net-status. On depressing [SI/TL], "0.05" (which is 1% of total amount of Dept.5 "3.00" + Dept.6 "2.00") is displayed and printed, and 5 stamps are to be issued to the customer in this case. The sale total "6.89" is not affected by the SI calculation.

Other stores may use it for calculating the discount amount for certain sales items during a special discount sales period by presetting the discount % rate on the SI and programming SI-net-status to certain Departments and PLUs which are subject to the special discount.

Example 2) With option "SI Special Discount":

### Key Operation in "REG" Mode

300 [DEPT 5] (SI-net)  
150 [DEPT 1] (non-SI)  
200 [DEPT 6] (SI-net)  
[SI/TL] (10% SI preset)  
[AT/TL]

### Receipt/Journal Print

DAIRY	\$3.00T	SI-net Depts
VEGETABLE	\$1.50T	
BAKERY	\$2.00T	Discount Amount resulted by SI % process
SI1 TL	-0.50	
TAX	\$0.39	
CASH	\$6.39	

On depressing [SI/TL], "-0.50" (which is 10% discount from the total amount of Dept.5 + Dept.6 items) is displayed and printed, and that amount is subtracted from the sale total. ( $6.89 - 0.50 = 6.39$ )

## FOREIGN CURRENCY EXCHANGE RATE SETTING

In this program, the rate of each foreign currencies (corresponding to the [CUR1] to [CUR4] keys) will be set. By setting a rate on each Foreign Currency Key, reading the sale total and tendering in the foreign currency value will be possible for sale finalization.

<b>CONDITION</b>	Any time outside a sale
<b>OPERATION</b>	Mode Lock: <b>SET</b> / GT Lock: Neutral

Exchange Rate for Foreign Currency 1	→	[CUR1]
0.000001 to 9999.999999		
(Use the [.] key if decimal portion is contained in the rate.)		
⋮		
Exchange Rate for Foreign Currency 4	→	[CUR4]

As for how to calculate the Exchange Rate, see the description below.

### ■ Foreign Currency Exchange Rate Calculation

1. The rate must be calculated in the subsidiary currency unit values for both the domestic and the foreign currencies. (In case of calculating the rate from the domestic to a foreign currency with the same zero-suppress form, such as from US \$ to French Franc, it will be no problem even if it is calculated in the main currency of \$ and Franc. However, in case of exchanging from a domestic currency such as \$ or Franc to Japanese yen or Italian Lira, or vice versa, this rule must be obeyed; otherwise a wrong rate will result.)
2. Calculate the required foreign currency value equivalent to the domestic currency value "1". Then the obtained value is the Exchange Rate value to be entered in the setting operation stated above.

If the domestic currency is US \$:

1¢	= xxx.xxxxx centimes (French Franc)
	= xxx.xxxxx pfennigs (Deutsche Mark)
	= xxx.xxxxx yen (Japanese yen)
└─┘	Enter this value as the foreign currency rate.



ex). To set three foreign currency rates:

Domestic Currency . . . . US \$  
 Assigning [CUR 1] . . . French Franc  
 [CUR 2] . . . Deutsche Mark  
 [CUR 3] . . . Japanese yen

Conditions given for Domestic Currency and Foreign Currencies

(The rates here are merely examples, and may be different from the actual rates currently in effect.)

(DOMESTIC)	(CUR1)	(CUR2)	(CUR3)	
U.S. Dollar	French Franc	Deutsche Mark	Japanese Yen	
↓	↓	↓	↓	
\$1.00	= Fr5.3729	= DM1.7619	= ¥ 145.50	..... in Main Currency Values
↓	↓	↓	↓	
1 cent	= 5.3729 centimes	= 1.7619 pfennigs	= 1.4550 yen	..... in Subsidiary Currency Values (Enter these values for setting.)

Key Operation for setting the rates above

Mode Lock to **SET**.

5 [.] 3729 [CUR1] (for French Franc)  
 1 [.] 7619 [CUR2] (for Deutsche Mark)  
 1 [.] 4550 [CUR3] (for Japanese yen)

■ **Resetting a Foreign Currency Rate Once Set :**

Enter "0" in place of the Exchange Rate for the Foreign Currency in the setting operation. Then the rate for that foreign currency will be reset. The Foreign Currency Key of the rate thus reset cannot be used in sales entries.

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

F  
 CUR1 5.3729*  
 0002 12:02TM

F  
 CUR2 1.7619*  
 0003 12:02TM

F  
 CUR3 1.455*  
 0004 12:03TM

## VENDOR COUPON LIMIT AMOUNT SETTING

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock : **SET** / GT Lock : Neutral

| Vendor Coupon Limit Amount | —————→ [VND CPN]  
 max. 4 digits ; 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [VND CPN] key.

ex.) To set the Limit Amount of \$30.00 :  
 Mode Lock to **SET**, enter 3000, depress  
 [VND CPN].

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90	#3001
F	
V.CPN	\$30.00
0005 12:04TH	

## DOLLAR DISCOUNT LIMIT AMOUNT SETTING

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock : **SET** / GT Lock : Neutral

| Dollar Discount Limit Amount | —————→ [DOLL DISC]  
 max. 4 digits ; 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [DOLL DISC] key.

ex.) To set the Limit Amount of \$5.00 :  
 Mode Lock to **SET**, enter 500, depress  
 [DOLL DISC].

<b>TEC STORE</b>	
1343 PEACH DRIVE	
PHONE: 87-6437	
Thank you	
Call again	
11-20-90	#3001
F	
DISC	\$5.00
0006 12:04TH	

## BOTTLE RETURN LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Bottle Return Limit Amount | —————→ [BTL RTN]  
 max. 4 digits : 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [BTL RTN] key.

ex.) To set the Limit Amount of \$20.00 :  
 Mode Lock to **SET**, enter 2000, depress  
 [BTL RTN].

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

F  
 BTR \$20.00

0007 12:04TM

## STORE COUPON LIMIT AMOUNT SETTING

**CONDITION** Any time outside a sale

**OPERATION** Mode Lock : **SET** / GT Lock : Neutral

| Store Coupon Limit Amount | —————→ [STR CPN]  
 max. 4 digits : 1 to 9999  
 (result : \$ 0.01 to \$99.99)

**NOTE :** To reset the programmed limit amount,  
 enter 0 before the [STR CPN] key.

ex.) To set the Limit Amount of \$25.00 :  
 Mode Lock to **SET**, enter 2500, depress  
 [STR CPN].

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

F  
 S.CPN \$25.00

0008 12:04TM

## 6. VERIFICATION OF PROGRAMMED DATA

The programmed data entered in the previous "SET" mode operations may be read for the verification purpose.

**CONDITION**

Any time outside a sale

**OPERATION**

Mode Lock: X / GT Lock: Neutral

Cashier Keys or Signing Status: **Signed-OFF** condition required (See NOTE below.)  
Follow the operation for each reading below:

(READ CONTENTS)	(KEY OPERATION)	(SAMPLE PAGE)
DEPARTMENT PRESET PRICE READ .....	1 [ST] .....	81
DEPARTMENT TABLE READ .....	2 [ST] .....	81
ALL PLU TABLE READ .....	3 [ST] .....	82
ZONE PLU TABLE READ .....	| <u>Zone-start PLU Code</u> | [ @/FOR ] | <u>Zone-end PLU Code</u> | [ST] .....	82
OTHER PROGRAM DATA READ .....	4 [ST] .....	83
USER SYSTEM OPTION READ .....	5 [ST] .....	83
LINK-PLU TABLE READ .....	6 [ST] .....	84
TARE TABLE READ .....	7 [ST] .....	84
CASHIER AND SALESPERSON		
NAME READ .....	8 [ST] .....	85
PLU KEYBOARD (PK-2)		
PRESET-CODE READ .....	10 [ST] .....	85
TAX CALCULATION TEST .....	| <u>Amount</u> | [TXBL TL] .....	86

**NOTE:** In CASHIER SIGNING Method, the ECR must be in a Signed-OFF condition.

In CASHIER KEY Method, a Cashier Key may or may not be set to ON status. If a Cashier Key is set to ON status, the Cashier Name is printed on the reading receipt.

## DEPARTMENT PRESET PRICE READ

Mode Lock: X, 1 [ST]

TEC STORE  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #3001

↓ **PX01**

01	VEGETABLE	
02	FRUIT	\$2.50
03	MEAT	
04	FISH	
05	DAIRY	
06	BAKERY	
07	CAN FOOD	
08	BTL FOOD	
09	DRINK	
10	BTL DEPO	
11	SNACK	
12	SPICE	
13	DP13	
14	DP14	\$3.50
15	DP15	

0206 09:21TM

Department Code

Department Name

Gross Profit Rate

Group Code

Preset Price  
(Blank for an  
open Department)Sub-link Dept  
Code (00 if no  
Sub-link)

## DEPARTMENT TABLE READ

Mode Lock: X, 2 [ST]

TEC STORE  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #3001

**PX02**

01	VEGETABLE	2	0000	
01	00	10.00ZF	1	
02	FRUIT	2	0000	
01	00	12.00ZF	1	
03	MEAT	2	3422	
02	00	20.00ZF	1	
04	FISH	2	0000	
02	00	15.00ZF	1	
05	DAIRY	2	0000	
03	00	08.00ZF	I	1
06	BAKERY	2	0000	
04	00	22.00ZF	I	1
07	CAN FOOD	2	0000	
05	00	18.00ZF	I	21
08	BTL FOOD	2	0000	
05	00	12.00ZF	I	21
09	DRINK	2	0000	
06	10	15.00ZF	I	21
10	BTL DEPO	2	0000	
06	00	00.00ZF		
11	SNACK	2	0000	
07	00	08.00ZF	I	2
12	SPICE	2	0000	
07	00	11.00ZF	I	2
13	DP13	4	0000	
08	00	07.00ZF		
14	DP14	1	0000	
08	00	08.00ZF		
15	DP15	2	0000	
08	00	00.00ZF		-

0207 09:21TM

HALC  
LALCSingle Item and/or Other  
Income Status

1 : Single Item  
2 : Itemized Item  
4 : Other Income  
5 : Single Item & Other  
Income

Status Symbol

F : Food Stampable  
I : SI1-net  
II : SI2-net

Tax Status

1 : Taxable 1  
2 : Taxable 2  
3 : Taxable 3  
* "21" indicates Taxable 1  
& 2 Status.

Negative Status Symbol

**ALL PLU TABLE READ**

Mode Lock: X, 3 [ST]

**ZONE PLU TABLE READ**Mode Lock: X, | Zone-start PLU Code |[@/FOR]| Zone-end PLU Code |

[ST]

TEC STORE			
1343 PEACH DRIVE			
PHONE: 87-6437			
Thank you			
Call again			
11-20-90 #3001			
PLU Code	PX03		
	0003 Tomato	PLU Name	
	01 000 / 6	\$1.00	
	01 F	1	Preset Price
	0005 Potato		
Linked Dept Code	01 000 / 6	\$0.75	Whole Package Quantity
	01 F	1	
	0012 Orange		
	02 000 / 4	\$0.75	
	01 F	1	Tax Status
			1: Taxable 1
			2: Taxable 2
			3: Taxable 3
			*"21" indicates Taxable 1 & 2 Status.
	0157 Coke Small-B		Status Symbol
	09 001 / 0	\$0.60	W: Scale-compulsory
	07	SI 21	F: Food Stampable
	0163 7-up Small-B		S: Stock-process
	09 001 / 0	\$0.60	I: SI1-net
	07	SI 21	II: SI2-net
PLU Group Code	0170 Small-B Depo		
	10 001 / 0	\$0.05	
	07		
Link-PLU Table No.	0175 Potato Chips		
	11 000 / 0	\$1.50	
	10	SI 2	
	0183 Nutmeg		
	12 000 / 0	\$0.60	
	10	SI 2	
	0185 Budweiser		
	09 000 / 0	\$1.50	
	09	SI 2	
	0187 Guinness		
	09 000 / 0	\$1.50	
	09	SI 2	
	0190 Apple Pie		
	06 000 / 0	\$1.00	
	04	FI 1	
	0208 09:22TM		

TEC STORE			
1343 PEACH DRIVE			
PHONE: 87-6437			
Thank you			
Call again			
11-20-90 #3001			
PX03			
0050~0075			
Zone-start PLU Code~			
Zone-end PLU Code			
0052 Salmon			
04 000 / 0 \$0.75			
01 WF 1			
0063 Shrimp			
04 000 / 0 \$0.60			
01 WF 1			
0072 Milk-Large			
05 000 / 0 \$1.30			
02 FI 1			
0209 09:26TM			

**OTHER PROGRAM DATA READ**  
 (Various Amount Limits, LCs, Preset  
 Rates Read)  
 Mode Lock: X, 4 [ST]

**USER SYSTEM OPTION READ**  
 Mode Lock: X, 5 [ST]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

**PX04**

%+	10%	Preset Rate for each Key
%-	5%	

Common  
HALC & LALC  
for all  
departments → 9412

CASH	94	HALC (High Amount Listing Capacity) for each Key
CHECK	95	
Chg	00	
MISC	00	
CPN	00	
FS TL	00	High Amount Limit for each Key
BTR	\$20.00	
V.CPN	\$30.00	
S.CPN	\$25.00	
DISC	\$5.00	
SI1 TL	10%	Foreign Currencies Rates
	\$0.00	
CUR1	5.3729x	
CUR2	1.7619x	
CUR3	1.455x	
	\$2000.00	Cash-in drawer Limit Amount

0210 09:27TM

Selective  
Itemizer Preset  
Rate →

Non-taxable  
Limit Amount →

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

**PX05**

#01	46
#02	25
#03	0
#04	0
#05	0
#06	0
#07	0
#08	0
#09	6
#10	6
#11	6
#12	6
#13	0
#14	0
#15	0
#16	0

0211 09:28TM

Ask your TEC  
 representative for  
 information of the User  
 System Option  
 selections for your  
 store, if necessary.

**LINK-PLU TABLE READ**

Mode Lock: X, 6 [ST]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

**FX06**      0170

#001

0212 09:29TM

Link-PLU Table No.

**TARE TABLE READ**

Mode Lock: X, 7 [ST]

**TEC STORE**  
 1343 PEACH DRIVE  
 PHONE: 87-6437

Thank you  
 Call again

11-20-90 #3001

**FX07**      0170

#1	0.13LB
#2	0.20LB
#3	0.00LB
#4	0.00LB
#5	0.00LB
#6	0.00LB
#7	0.00LB
#8	0.00LB
#9	0.00LB

0213 09:29TM

Tare Table No.

Preset Weight of the  
Tare Table



**CASHIER AND SALESPERSON NAME READ**

Mode Lock: X,8[ST]

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #3001

**PX08**

01 JONES  
02 SMITH  
01 White  
02 Stacy  
03 Mehl

0214 09:30TH

Cashier Code

Code on PK-2

Cashier's Name

Salesperson's Code

Salesperson's Name

**PLU KEYBOARD (PK-2) PRESET-CODE READ**

Mode Lock: X,10 [ST]

**TEC STORE**  
1343 PEACH DRIVE  
PHONE: 87-6437

Thank you  
Call again

11-20-90 #3001

**PX10**

0003 Tomato  
#001 1.00  
0005 Potato  
#002 0.75  
0012 Orange  
#003 0.75  
0024 Apple  
#004 0.40  
0033 Beef  
#005 2.50  
0045 Mutton

0125  
#126 0.45  
0141 Kiwi Jam  
#127 1.90  
0150 Pickles  
#128 1.20  
0175 Potato Chips  
#129 1.50  
0183 Nutmeg  
#130 0.60

0108 13:11TH

PLU Code

PLU Name

Preset Price

**TAX CALCULATION TEST**

(Mode Lock: X)

Enter any amount.



Depress [TXBL TL]

The entered amount  
is displayed.

The tax amount (Tax 1 + Tax  
2 + Tax 3) is displayed,  
issuing a receipt with the  
entered amount and the tax  
amount printed.

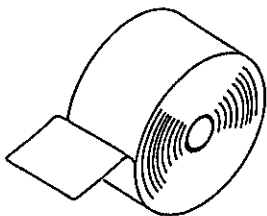
**NOTE:** When your keyboard has a [TXBL TL] key but not an [ST] key (i.e. the [TXBL TL] key is programmed as [ST] with [TXBL TL] function), this TAX CALCULATION TEST will not function.

# **Accessories of the MA-1700A Series**

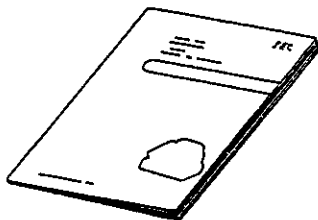
This product contains the following accessories.



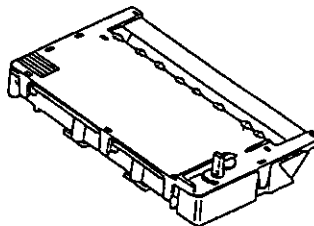
Stamp Ink (1pc.)



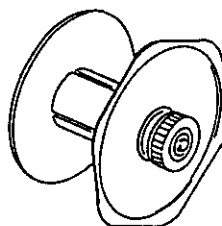
Roll Paper (2pcs.)  
45mmx $\phi$ 50mm



Owner's Manual  
(1pc.) Satellite  
(2pcs.) Master



Ribbon Cassette (1pc.)



Journal Take-up Reel (1pc.)



Control Key  
GTX Key (2pcs.)  
GTZ Key (2pcs.)  
RTR Key (2pcs.) for only Master



Clerk Key  
Clerk 1-4 Key  
(2pcs. respectively)  
for Barrel Lock Type



Mode Key  
MA Key (2pcs.)  
REG Key (2pcs.)  
MGR Key (2pcs.)  
S Key (2pcs.)



Drawer Key (2pcs.)



Receipt Cover Key  
(Cash Drawer Cover Key)  
(2pcs.)







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